

Curriculum Vitae

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Profile Summary

A proficient Infrastructure, Cloud and IT/Cyber security specialist with over 23 years of hands-on experience and a deep understanding of Information Technology. Analytical and solutions-oriented IT professional, experienced in end-to-end IT Infrastructure, Cloud and Security project implementation across multi-platform, multi-system, multi-network, multi-vendor, multi-cloud and multi-clustered environment running on physical, virtualized, converged, hyper-converged and hybrid architectures. Has led numerous project teams in analyzing and managing innovative and complex IT Security and Infrastructure projects on planning, installation, configuration, testing, documentation, maintenance, and support. Helping organization to design secure posture and defendable private and public-cloud architecture. Able to communicate technical solutions clearly and concisely to users and executives at all levels of the organization.

Areas of Expertise

- UNIX/Linux
 - Windows
 - Virtualization
 - Hyper-Converged
 - Public/Private Cloud/DC/DR/DRaaS
 - Network Security
 - IT / Cyber Security
 - Risk and Compliance
 - Web/Application
 - High-Availability
 - Database
 - Messaging
 - Monitoring
 - DevOps/DevSecOps
 - Authentication
 - Backup
 - Training/Hands-on
 - Open Source
 - Basic Language
- Skilled in RHEL, Ubuntu, Solaris, AIX, SCO Unix, Debian, Slack
 - Proficient in Microsoft Windows Server NT4, W2K and above.
 - KVM, Hyper-V, VMWare, Xen, Container, OVS, SDS, SDN.
 - Nutanix, NetApps, HyperGrid, Sangfor, Simplivity.
 - AWS, Azure, GCP, VMWare, HyperCloud, NetApps. OpenNebula, Openstack, Hadoop, BI, DW, BD.
 - NGFW, NIPS, WAF, DDOS, NGAV, DLP, NLB, SSL, EDR, ESG, Zero Trust.
 - Security Posture Assessment (SPA), Vulnerability Assessment, Penetration Testing, Risk & Threat Management, Security Control & Compliance, DLP, Malware, Incident Response, Advisory, IAM, PAM, Encryption, Red/Blue/Purple Team.
 - SANS, NIST, PCI-DSS, GDPR, PDPA, DKICT, RAKKSSA, RMIT, ISO27001/27002, SIEM, OWASP, PDR, BCM
 - Apache/TOMCAT/PHP, IIS/.NET, Oracle/WebLogic, IBM/WebSphere, NGINX/PHP, EAI, Microservices
 - F5, HAProxy, Linux-HA, Keepalive, Microsoft Cluster, Veritas
 - Oracle, SQL, DB2, MySQL, PostgreSQL, Informix
 - SMTP(s), POP3, IMAP(s), QMAIL, Exchange, REST
 - Nagios, Zabbix, Solarwind, ManageEngine, PRTG, SNMP
 - Ansible, Jenkins, Chef, Docker, Angular, Gauntlt, Fortify
 - AD, LDAP, Radius, OAuth, SAML, MFA, PKI
 - Any backup using VTL, D2T, D2D, D2D2T, D2D2C
 - ITIL, Prince2, TOGAF, CCNA, MCSA, CISM, CEH, SSCP
 - Any Application/Software developed under GPL/GNU License
 - Bash, C, HTML, PHP, Perl, Java Script, Python

Hong Leong Bank Berhad, Malaysia.

Manager - IT Security Architect

Jun 2021 – Present



Design and implement the company's IT infrastructure with security in mind to achieve a defendable enterprise security architecture. Manage and mentoring internal cross-functional team to keep abreast on security risk, threats and vulnerabilities mitigation and remediation with enterprise DevSecOps and SOAR approach for continuous planning, continuous integration, continuous development, continuous monitoring, and continuous IT/Cyber security protection.

Job Narrative:

- As a subject matter expert responsible for the design, build, test and implement security solutions that meet the current and future needs of the organization.
- Design and create solutions that balance business requirements with information and cyber security requirements.
- Understand and resolve the technical infrastructure problems, challenges, and complexities that exist within each project work stream or area of a programme.
- Enhances security team accomplishments and competence by planning delivery of solutions; answering technical and procedural questions for less experienced team members; teaching improved processes; mentoring team members.
- Determines security requirements by evaluating business strategies and requirements; researching information security standards; conducting system security and vulnerability analyses and risk assessments; studying architecture/platform; identifying integration issues; preparing cost estimates.
- Plans security systems by evaluating network and security technologies; developing requirements for LAN, WAN, VPN, Routers, Firewalls, and related security and network devices; designs public key infrastructures (PKIs), including use of certification authorities (CAs) and digital signatures as well as hardware and software; adhering to industry standards.
- Implements security systems by specifying intrusion detection methodologies and equipment; directing equipment and software installation and calibration; preparing preventive and reactive measures; creating, transmitting, and maintaining keys; providing technical support; completing documentation.
- Verifies security systems by developing and implementing test scripts.
- Maintains security by monitoring and ensuring compliance to standards, policies, and procedures; conducting incident response analyses; developing and conducting training programs.
- Upgrades security systems by monitoring security environment; identifying security gaps; evaluating and implementing enhancements.
- Prepares system security reports by collecting, analyzing, and summarizing data and trends.
- Updates job knowledge by tracking and understanding emerging security practices and standards; participating in educational opportunities; reading professional publications; maintaining personal networks; participating in professional organizations.
- Enhances department and organization reputation by accepting ownership for accomplishing new and different requests; exploring opportunities to add value to job accomplishments.
- Assist new and existing project to advise on security control and implementation.
- Assist project manager on bank's secure cloud extension project to ensure compliance with RMIT and related security control.

DiGi Telecommunications Sdn Bhd, Malaysia.

Principal - Cyber Security Consultant

Jan 2020 – Jun 2021



Lead and drive IT security design architecture on Cloud Security, IT Infrastructure, and IT Application. Managed Information Security Governance, Risk and Compliance. Technical lead on cloud deployment, hybrid connected systems, information security related policies, threat & vulnerability management, security posture assessment and penetration testing. Liaise with relevant authorities and stakeholders with the objective of ensuring IT security & ITIL compliance to the company and regulatory policies within the values and vision of the company to enhance IT security focusing on cloud application and infrastructure to achieve a defendable enterprise security architecture.

Job Narrative:

- Performs enterprise security architecture solution design and implementation based on strategy that supports the organization's objectives.
- Work closely with project teams prior to above design approach activities and tailored the project requirement with cyber security compliance, costing, and framework to achieve defendable security architecture.
- Secures enterprise information by determining security requirements, planning, implementing, and testing security systems.
- Provide application security advisory, mitigation controls and support to fix the vulnerabilities.
- Managed external security consultant to conduct quarterly system and application security penetration testing.
- Perform internal systems and application security penetration test to validate external security consultant's test result.
- Identifying and working with cross functional team towards resolving security issues.
- Assist Red team to perform quarterly internal Vulnerability Assessment and Penetration Test as a service to Web/Mobile applications team.
- Assist SOC team responding to security incidents, providing thorough post-event analysis and recommended method of resolution.
- Assist SOC team on cyber-attack, identified vulnerabilities, remedial action and mitigate risks.
- Assist Fraud team on application transaction fraud incident response related to technical details for risks mitigation, remedial action, prevention and advisory.
- Assist Incident Response team to mitigate the issue tracker to be resolved between infra and application team within SLA.
- Assist infosec team on preparing security standards, policies, procedures and mentoring team members.
- Assist infosec team on SIEM security design review, used case and recommendations.
- Assist IT engineering team planning on security approach for legacy system and on-premise exchange migration to cloud.
- Assist BCP team for establishing disaster recovery procedures and conducting breach of security drills.
- Assist technical team to collaborate with automated security patches update using bigfix solution.
- Assist project team with creating cloud migration strategies, defining delivery architecture, creating the migration and the orchestration plans, creating and executing of migration run books.
- Provide open-source software solution initiative to fill in any tools gap for system operation and monitoring.

Job Narrative:

- Lead and managed cross-functional team (network, storage, compute, security) for planning, design, implementation, and operations of organization Future State Architecture.
- Perform hands-on solution design, solution architectures, architecture roadmaps, proofs-of-concept, evaluation & costing, business scenario and development tasks as required in support for current and new projects.
- Liaised with Technology and Innovation team by challenging and providing technical consultancy and advisory in terms of software design, architecture, and technologies towards producing a competitive solutions and end products.
- Establish and enforce the policies and procedures of data security to ensure the data integrity and protect the organization from data theft and related risk.
- Formulate and establish technology vision and road map to ensure alignment to business strategies and objectives.
- Understand business drivers and capabilities (both current and future state) and map to technology requirements to drive targeted business outcomes.
- Conduct Solution Architecture reviews with project teams prior to design and development activities and ensures the solution is scalable, is aligned with internal product roadmaps and meets customer's business requirements.
- Managed a technical write-up proposal for new government tender requirement based on the best solution and integration to produce a winning business and technical proposal.
- Managed cloud-based solution for current projects implementation and government tender bid with composable system design principle to provide components that can be selected and assembled in various combination to satisfy user requirement.
- Coordinate and lead security operations center (SOC) from today's cyber threats to protect company's valuable assets.
- Keep abreast with technology trends and the practical application of existing, new, and emerging technologies and anticipate how it will impact the business for continuous innovation and set new vision to ensure relevancy and readiness for future technology.
- Managed and lead a project awarded to the company via cross-functional team.
- Build foundation to facilitate automated patches update across the infrastructure.
- Provide in-house mentoring and hands-on training to new recruits and inexperienced engineers on technical skills, technology, end-to-end infrastructure and architecture.
- Inculcate the best practices, operational discipline and guidelines across the systems and network team.

Projects:

- Composable System Design for PaaS, IaaS, SaaS and Hybrid IT/Cloud Infrastructure
- Big Data & Hadoop Infrastructure and Internet of Things initiatives
- Active Directory / Exchange and Secure Open Source Email Infrastructure
- Enterprise Architecture (EA) infrastructure, BCM & DR Management
- Open Source Solution initiatives on DevOps & DevSecOps
- Micro-services Architecture initiatives with Application Team
- ELK Stack for Data Analysis & Visualization
- AWS/Azure/GCP: Services & Platform hybrid via Private and local CSP Hosting
- Systems, Network and Security in-house hands-on training and team mentoring

Theta Edge Berhad, Malaysia.

Solution Architect – Infrastructure, Cloud & Security

Nov 2009 – Nov 2018



Job Narrative:

- Managed implementation planning and lead solution delivery group in any projects awarded to the company.
- Led as Solution Architect and Technical writer for government and private project proposal tender bid.
- Identify, develop, improve, and maintain information security governance, risk, development, and program.
- Developed strategic plans for cloud-based solutions, including transition strategies, risk assessment, and road mapping.
- Maintain a proactive, agile information security program supporting risk awareness, mitigation, implementation, and compliance requirements.
- Facilitate and led cross-functional teams to drive remediation of vulnerabilities, and drive complex project plans with technical interdependencies
- Piloted corporate cloud architecture using KVM, Azure and VMware solution
- Led on 3rd level support team on systems and network for post-project support and maintenance.

Projects:

Project Name: e-TANAH project for Melaka and Negeri Sembilan (14 Sites) under Jabatan Ketua Pengarah Tanah dan Galian (JKPTG), Kementerian Sumber Asli dan Alam Sekitar, Malaysia (NRE).

Project Value: RM124 million.

- Technical Lead for e-Tanah infrastructure project, reporting to Project Director.
- Led site preparation for Data Center and Disaster Recovery Center for each state.
- Coordinated hardware and software end-to-end deployment and implementation delivered as per contract requirement and acceptance by the government.
- Identified and managed hardware and software capacity, application requirement and sizing, planning for change and addressing security.
- Led on Security Posture Assessment (SPA) exercises and rectification for systems and application with external certified security consultant for 3rd party verification.
- Led on security assessment, penetration test and load test prior to pre and post-production Go-Live.
- Conducted a Business Impact Analysis (BIA) to identify critical business functions, processes, and resources gathering then reviewed and developed recovery strategies with management approval to implement a Disaster Recovery Plan (DRP).
- Led and coordinated Disaster Recovery Simulation Exercise and IT Security Awareness Program.
- Performed application stress/load test and fine tune the systems, network and application setup and configuration for acceptance under considerable duration load on resource usage, availability, reliability and error handling of the production environment are validated and accepted.
- Supervised post support to help the customer maintain a high availability environment, and work with them to develop and routinely review mutually agreed on documentation and implementation tasks that meet their business objectives.
- Conducted support reviews, transfer knowledge of best practices, schedule and participate in customer internal IT operations and management meetings.

Employment History (continued – Theta Edge Berhad - Projects)

- Worked closely with the customer's IT team and Technical Services Group to document and understand all the components of the infrastructure, recommend changes to improve performance and stability, and monitor ongoing operations through monitoring suite and remote tools.
- Led hardware support activities and worked closely with customers to maintain the Project Support and post Maintenance Plan to meet the SLA requirement.
- Managed Equipment, Provisional and Final User Acceptance (EAT, PAT, and FAT) test within the project timeline to meet the project's milestone payment before the deadline.

Project Name: 1SPEKS project for Accounting General of Malaysia.

Project Value: RM130 million.

- Managed implementation of Data Center and Disaster Recovery Center systems architecture design, deployment & installation setup.
- Managed and performed installation setup for Solaris Virtual Machine to run Application and Database Production and replication to DR using OVM (Oracle VM Server).
- Managed and coordinate configuration setup for McAfee firewall, Barracuda Load Balancer and Barracuda Web Application Firewall with vendor best practice on application integration and collaboration.
- Managed and implement platform integration setup using Jenkins, Sonarqube, Docker and Oracle VM for DevOps / DevSecOps CI/CD environment.
- Coordinate and performed Security Posture Assessment (SPA) exercise and rectification for systems and application with external certified security consultant.
- Led on security assessment, penetration test and load test with an external certified consultant prior to pre and post production Go-live.
- Performed Business Impact Analysis (BIA) to identify critical business functions, processes, and resources gathering and reviewed and developed recovery strategies with management approval to implement a Disaster Recovery Plan (DRP).
- Led on Application Performance Management with comprehensive and continuous application assessment for remedial and monitoring with Dynatrace software.

Project Name: ePayment Gateway and for National Bank of Malaysia (BSN).

Project Value: RM4 million.

- Led and managed National Bank of Malaysia (BSN) project implementation as a Project Manager, Technical Lead and System Analyst.
- Performed deployment of ePayment Gateway system using IBM Blade Servers with installation setup on Wintel running VMWare virtualization software running RedHat Enterprise Linux and Windows server for guest operating system.
- Setup and configure Microsoft Cluster for High-Availability clustered environment and integration with mainframe.
- Led on Threat and Vulnerability Advisory, Infrastructure Vulnerability Assessment and Penetration Testing, Vulnerability Verification and Audit, Risk and Compliance, PCI-DSS, Security Acceptance Test, SOC monitoring, ISMS compliance, SIEM and Log Management Strategies for Audit and Compliance auditing.
- Managed ePayment and Centralized Audit Journal System (RAAMS) infrastructure setup and application for development and production environment using Microsoft .NET framework for BSN HQ and nationwide branches.
- Managed preliminaries, live and post Disaster Recovery simulation activities as required exercise by Central Bank of Malaysia (BNM).
- Managed technical team for post implementation support based on maintenance contract agreement.

Employment History (continued – Theta Edge Berhad - Projects)

Project Name: ISM Enterprise Application Integration (EAI) for Lembaga Tabung Haji (LTH) Malaysia.

Project Value: RM5.5 million.

- Led the integration project for Tabung Haji depositor's account with external local bank (CIMB, Maybank, Bank Rakyat, Bank Islam) on server & network infrastructure, security design, technical configuration, and implementation.
- Setup & configure firewall, Web/Application, SVN, database and Load Balancer for DC and DR high-availability fail-over for external local banks via dedicated IP-VPN network
- Led the vulnerability assessment and penetration test and load test with external certified consultant for pre and post production Go-live.
- Delivered Functional and Technical Requirement and key Operational Processes document support for post implementation support and maintenance.

Project Name: Haj Mobility IoT Project for Lembaga Tabung Haji (LTH), Malaysia.

Project Value: RM3.5 million.

- Led infra implementation for Lembaga Tabung Haji (LTH) Haj Mobility IoT project using open source software solution running on commodity servers.
- Setup a virtualization hypervisor using Linux KVM with Proxmox VE for virtualization provision.
- Utilized RedHat and Ubuntu for Container and VM guest as core operating system.
- Managed installation and configuration of Apache, PHP and ModSecurity installation & configuration setup in clustered environment to cater High-Availability and Security provision from public access.
- Performed MySQL database cluster installation & configuration for clustered environment to cater database high-availability and scalability.
- Configured storage cluster replication on Ceph (Distributed Storage System) to support on converged-storage with other branches.
- Setup & configured pfSense enterprise open source firewall for security gateway.
- Setup & configured Zen open source load balancer for High-Availability services.
- Setup & configured Nagios/Zabbix network monitoring system for servers, network, hypervisor dashboard for performance and services availability overview.
- Setup & configured BIND DNS with chroot jail for load balancing between DC and DRC as Active-Active site for HQ and Branches.
- Configured VLAN/VPN for Firewall, WAF and Load Balancer accessibility from public and branches.
- Managed Vulnerability Assessment and Penetration Test and produced a report for project review and resolution/remedial action with technical and management team.
- Setup & configured integration platform using Jenkins, Sonarqube, and Ansible for CI/CD process.
- Developed and documented project design requirements that promote flexibility, scalability, reliability, maintainability, reusability, security and adherence to architectural standards.

Employment History (continued – Theta Edge Berhad - Projects)

Project Name: Hajj Core System migration project for Lembaga Tabung Haji (LTH) Malaysia.

Project Value: RM1.4 million.

- Managed the project as Project Manager and Technical Lead with a team of System Analyst, Developers and Network for on-going Tabung Haji pilgrimage core system migration.
- Setup & configure Tabung Haji network and worked closely with application team on new application infrastructure setup and server performance monitoring.
- Defining and reviewing technical security designs and solutions.
- Managed Penetration and Vulnerability Test and produced report for project review and resolution/remedial action.
- Defined requirements on high-level architecture for integrated cyber security solutions to support the service and product management teams.
- Delivered complete project documentation and hands-on training to all Tabung Haji users for all modules.
- Conducted Acceptance Test for 7 core system modules completion within given extended timeline.
- Successfully achieved project milestone claims and closure.

Precision Portal Sdn Bhd, Malaysia.

Technical Manager - Security & Data Center Services

Feb 2007 – Oct 2009



Job Narrative:

- To manage and lead Technical Team in all projects awarded to the company.
- Designed and implemented security processes, and procedures and perform cost-benefit analysis at all recommended strategies.
- Managed security compliance in all infrastructure-related projects including mapping Technology compliance into infrastructure
- Provide on the job training and on-boarding to technical team related to the projects.
- Maintained and support project for pre and post-implementation activities.
- Managed all assigned projects are delivered before the deadline.
- Performed technical specification writing and documentation.

Projects:

Project Name: e-Kadaster project for Jabatan Ukur dan Pemetaan Malaysia

Project Value: Project value: RM287 million.

- Managed and Lead infra team for 13 JUPEM State offices nationwide.
- Supervised infrastructure upgrade of existing 13 JUPEM states Data Center with new network structured cabling and power distribution unit.
- Managed deployment for network equipment and configuration setup for Cisco, Fortigate, Watchguard, Juniper, Sun Sparc, PowerEdge, and Hitachi SAN/WORM storage.
- Managed software delivery, installation setup, and configuration for Solaris, Windows, TrendMicro Enterprise Security and Oracle Database servers.

Employment History (continued – Solution Protocols Sdn Bhd - Projects)

- Worked closely with the application team to develop an automated process on software and application deployment, infrastructure setup, network, application security, BCP, and changes.
- Led an infrastructure security audits, penetration tests, and periodic access reviews to applications and infrastructure.
- Led threats and vulnerability management and incident management procedures.
- Setup a regular vulnerability scanning tools and Managed remediation of identified issues.
- Implement a SIEM solution to detect malicious threats and anomalous network activities.
- Technical documentations write-up based on post-implementation and configuration.

Project Name: e-TANAH project for Jabatan Tanah dan Galian Negeri Sembilan and Melaka states under the National Resources and Environmental (NRE) Department of Malaysia.

Project Value: RM124 million.

- Managed site visits and preparation for both states and 13 district offices.
- Managed a technical specification and security requirement for Data Center (DC) and Disaster Recovery Center (DRC) and Single Point of Contact (SPOC) counters.
- Led a site preparation briefing in all state and district offices to selected contractors pertaining to the scope of work and implementation for DC, DRC, and SPOC.

Note: This project has been bought over by Theta Edge Berhad in early October 2009.

Solutions Protocol Sdn Bhd, Malaysia.

Sr. Consultant Engineer - Systems & Network

March 2004 – February 2007



Managed Hospital Information, Communication and Technology (HICT) project implementation awarded to Solutions Protocol Sdn Bhd for Basic (BHIS), Intermediate (IHIS) and Total Hospital Information System (THIS) nationwide.

Projects:

Project Name: Hospital Information and Communication Technology (HICT) project for 13 new Hospitals for Jabatan Kerja Raya Malaysia (JKR) & Ministry of Health (MOH)

Project Value: Project Value: RM588 million.

Take the lead role to deliver turnkey application software namely Total Hospital Information System (THIS), BHIS and IHIS to various 13 new government hospitals in Malaysia under Hospital Information & Communication Technology Project (HICT).

- Managed infrastructure implementation for Data Center build-up on network operating system and server deployment in a clustered environment.
- Focused on automation and integration monitoring and configuration management.
- Managed installation setup, configuration, and administration for;
 - Solaris 9, RHEL and Windows 2K/2K3 servers.
 - Solaris 9, RHEL and Windows 2K/2K3 servers.

Employment History (continued – Solution Protocol Sdn Bhd)

- Solaris 9, RHEL and Windows 2K/2K3 servers.
- Oracle 9i/10g Database and Application servers.
- Veritas Storage Foundation and Clustering software.
- NetApps Storage and Bakbone backup software.
- Enterprise Trendmicro Antivirus for Servers and Endpoint.
- Server Operating System hardening and security patch management.
- Managed services protocol to all Hospital for;
 - Windows Domain & Active Directory, DHCP, DNS, Exchange and File Server.
 - Microsoft ISA Server – SSO with Active Directory for internet access, filtering and monitoring.
 - Helpdesk System and Monitoring with Cisco Works, SiteScope, Mantis and Nagios.
- Performed a backup on a daily, weekly and monthly basis with Data Protector and Bakbone
- Performed system hardening and daily security patches automate via Windows Software Update Services (WSUS) and shell script for UNIX environment.
- Worked closely with Application and Operation and Maintenance (O&M) Team for post system and network support.
- Implemented a helpdesk system using open source software for Call Center services.
- Implemented Syslog services for centralized server, network, services, and firewall logging for security auditing.
- Completed documentation handover and in-house training to Operation and Maintenance (O&M) team on System and Network, Clustering and helpdesk system.

Self-Employed

IT Consultant - Systems, Network & Security

Jun 2003 – Feb 2004



Provide Managed Services as follows:

- Server, security and network system administration to ensure a high level of reliability and stability along with integrated systems.
- Security assessment, penetration test and vulnerability check for systems, network, and services.
- Developed and implemented IDS & SIEM solution to detect malicious threats and anomalous network activity.
- UNIX and Windows Server installation setup and configuration based on project requirement.
- Installed and configured Firewall, IDS, IPS, VPN, DNS, SMTP, POP3, Exchange, Database, DHCP, SNMP, PXE and Windows Active Directory Domain and GPO implementation using open source and commercial software solution.
- Network and UNIX/Windows Operating System (OS) Hardening.
- Secured email server implementation with AV, SpamFilter and Web Based client.
- Web/Apps Server implementation using Apache with TOMCAT and PHP.
- Installation of HTTP proxy and setup for internet browsing authentication, Filtering and Bandwidth Utilization online report.
- Database installation setup and administration for Oracle, MySQL, and PostgreSQL.
- Conducted Training on Network, UNIX/Linux & Windows Servers Platform.

Millennium Integra Sdn Bhd

Sr. Consultant Engineer - Systems, Network & Security

Feb 2000 – Jun 2003

Involved in various projects for installations, support and maintenance and been sourced out for Technical Consultation on Documentum. As a System Administrator for Servers and Network in Infrastructure Department for the company and within the Group of Companies, associated with 3 managers, 14 System/Network Engineers and 18 technical support staff in delivering, operating and maintaining the network and infrastructure readiness for the Telehealth project under a concession agreement for Medical Online Sdn. Bhd.

Responsibilities:

- Led cross-functional team for project planning, implementation and rollout.
- Installed and configured of a Firewall, UNIX/Windows platform, Web/Application, and Internet Caching for Corporate and project's users.
- Developed architecture, strategies, and architecture guidelines for technologies and solutions in the cyber security domain.
- Developed and implemented an IDS & SIEM solution to detect malicious threats and anomalous network activity.
- Managed and monitor daily operation of the Telehealth project and Corporate Network.
- Network Administrator for Millennium Integra Sdn Bhd Operation Data Center.
- Coordinate and troubleshoot hardware and software on Server and Network failure.
- Involved in third party projects on Telehealth, Documentum Integrations, Putrajaya Convention Center (PJCC) and Health Online International.
- Setting up of AIH Group IT infrastructure consist of 4 floors of distributed clients, Corporate HQ in KLCC running on various operating platforms and platform.

Projects:

Project Name: National MSC Telehealth Flagship Project

Project Value: RM88 million.

Led and managed end-to-end project implementation from building up the server and network infrastructure using all range of Sun Servers and Cisco High-end switch products with gigabits technology as the core network.

- Led installation, configuration and support and administering wide range of SUN Enterprise Servers running on Sun Solaris UNIX Operating System in clustered environment.
- Led installation setup, configuration support and administering iPlanet Web & Application Server on Sun Solaris platform.
- Led Security Posture Assessment (SPA), Business Impact Analysis (BIA), Disaster Recovery Plan (DRP), rectification and remediation for pre and post implementation.
- Keep abreast on latest cybersecurity threats and vulnerabilities, in line with the changing on Threat Landscape, Regulatory and Compliance requirements from HIPAA, MyMIS, NIST and SANS security baseline and related framework for security governance.
- Managed firewall implementation using Sun Screen Firewall on SPARC machine.
- Managed server hardening and security patches for all SUN Servers.
- Implemented patch management automation for Solaris using shell script.
- Implemented Web Proxy server setup in 42 Hospital Health Centers.
- Led and managed User Acceptance Test (UAT) and final project documentation.

Edaran Komputer Sdn Bhd, Malaysia.

Systems Engineer

April 1996 – January 2000



Carry both System and Network Administrator duties for installation, administration, troubleshooting and support on UNIX/Windows servers and Network implementation for various projects:

Projects:

Project Name: Komputer Polis Online (KOMPOL) project for Royal Malaysian Police
Project Value: RM88 million.

- Managed installation for SCO Unix Server in staging environment.
- Installation setup a Komputer Polis Online (KOMPOL) application for Bukit Aman and all 14 Police Contingent Headquarters and over 4000s District offices nationwide.
- Managed configuration for remote dial-up server from all IPPD and IPPK in Peninsular Malaysia, Sabah and Sarawak to a mainframe located in Bukit Aman.
- Managed intranet support on UNIX (Office Power) for all users.
- Managed User Acceptance Test (UAT) and post project documentation.

Project Name: Kastam & Eksais DiRaja Malaysia Project
Project Value: RM300 million.

- Performed technical support for the NEC Mainframe running ECOS4.
- Installed and configure all workstation for remote client.
- Staging for Servers and Workstations for nationwide users.

Project Name: MAS (Malaysia Airlines) Kuala Lumpur International Airport (KLIA)
Project Value: Undisclosed

- Managed installation and configuration on NT4 Farm Servers for KLIA Active Directory.
- Managed installation and configuration for MAS Cargo and MAS ticketing application.
- Managed Windows NT4 Server configurations as a front-end server and OS/2 as a gateway located at 2 building in KLIA campus.
- Performed second Level support for Server, Gateway and Workstation endpoint.

Project Name: KINTETSU Worldwide Express Project
Project Value: Undisclosed

- Managed staging and installation of Wintel NT4 Server and IBM RS6000 with AIX 4.2.
- Installation of remote/network printer for all nationwide VPN users.
- Perform system administration for IBM RS6000.

Project Name: Jabatan Perdana Menteri (JPM) Project
Project Value: Undisclosed

- Performed system support in Project Monitoring Systems.
- Managed Network and Application deployment.
- Managed staging and installation of Windows NT4 Server.

EDISYS Sales & Services Sdn Bhd, Malaysia

Systems & Technical Support

May 1994 – March 1996

- Managed system implementation and support on UNIX, Novel, DOS/Windows
- System coder for COBOL, Pascal, C, BASIC and DBASEIV

Education

Disciplinary of Study	Year	Name of University / College
• Master of Business Administration (MBA)	2019	• University of East London
• Diploma in Information Technology	2014	• University of Malaya
• Diploma in Computer Science	1996	• EDI College

Training / Certifications / Hands-on

- Solaris System Administration
- Solaris Enterprise Cluster Administration
- Solaris E10000 Administration
- SCO Unix System Administration
- IBM AIX 4.x System Administration
- Redhat Enterprise Linux (RHEL) Administration
- Windows 2KX System Administration, Installation and Support
- CompTIA Linux+, Cloud+ and Security+
- DevOps: Foundation, Lean & Agile; DevOps: Fundamentals and Tools
- DevSecOps: Automated Security testing
- Cybersecurity with Cloud Computing
- Ethical Hacking
- Penetration Testing
- Microsoft Azure Administrator
- Microsoft Certified Systems Administrator (MCSA)
- Solaris Network Administration
- CCNA: Routing & Switching
- Cisco & 3Com Switches Administration
- UTM/NG Firewalls, ArcSight
- INFOBLOX Core Network Services Appliance Administration
- LogRhythm SIEM (Security Information and Event Management) Appliance
- VMWare vSphere, Nutanix AHV, HyperGrid, Ovirt, Proxmox
- Prince2: Foundation
- ITIL Foundation, ITL Service Operation: Intermediate Lifecycle
- Business Continuity & Disaster Recovery Management
- TOGAF: Enterprise Architecture Framework
- Big Data & Hadoop Framework
- AWS: Enterprise Security, Serverless Architecture

Languages Proficiency (Spoken & Witten)

- English
- Bahasa Malaysia
- Bahasa Indonesia

References

Available upon request.