



Ahmad Zhafri Bin Zaini

CONTACT INFO

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PERSONAL PARTICULARS

Age	42 years old
Date of Birth	14 June 1981
Nationality	Malaysian
Gender	Male
Marital Status	Married
IC No	810614-14-5955

EDUCATIONAL BACKGROUND

Highest Education

Level	: Master's in science (MSc) Telecommunications & Information Engineering
Field of Study	: Information & Telecommunications Engineering
University	: MARA Technology University
Graduation Date	: October 2008

Level	: Bachelor's degree (Hons) Electronics & Telecommunications Engineering
Field of Study	: Electrical & Electronics
Major	: Electronics & Telecommunications Engineering
University	: Multimedia University
Graduation Date	: Oct 2003

PROFESSIONAL CERT & ADDITIONAL SKILLS

Cisco Certified Network Associates (CCNA – 2005)
Cisco Certified Design Associates (CCDA – 2010)
Cisco Certified Internet Provider (CCIP – 2011)
Juniper Network Certified Internet Associates (JNCIA – 2007)
Juniper Network Certified Internet Specialist (JNCIS – 2010)
Juniper Network Certified Internet Provider (JNCIP – 2011)
Juniper Network Certified Associates Switching (JNCIA-EX 2011)
IPv6 Forum Certified Engineer Gold & Silver (CNEv6 Gold/Silver – 2012)
VMware certified engineer (NSX & ESXi) - 2017
Cisco SDN-ACI Certified Engineer (Software Defined Networking) – 2017
Cisco Cloud Service Stack Mobility Track - 2017
IT Infrastructure Library training (ITIL) - 2005
Business Finance for Non-Financial Managers Certified – 2014
Lead Program for leaders - 2022

RECOGNITION & ACHIEVEMENTS

- Seconded to Telenor (Norway) as Subject Matter Expert in developing group wide blueprint, strategy, and architecture exercise - DiGi Telecommunications (Jan 2012-Sep 2014)
- Smart investment award for OPEX reduction by introducing new architecture to Celcom IT-Enterprise & Telco Cloud Datacenter Network Design – SDN & Cloud based integration.
- Maxis and Astro Datacenter transformation (SDDC) exercise with awarded tender – Cisco Systems as Solution Architect
- Industry technical board and architecture members for IT users Association – members & speakers
- Digital Transformation Initiator for bank wide infrastructure upgrades – Software Defined Datacenter & Kubernetes Containerized Architecture (Tanzu)
- Pioneer of 5G Technology deployment & operation – National 5G Infrastructure deployment and operation
- Establishment of 5G Infrastructure operational processes, tools, manpower and industry engagement
- Architecture review board (ARB) members for DNB 5G Infrastructure - National initiatives

EMPLOYMENT HISTORY

1. Digital Nasional Berhad (DNB) – October 2021 (present)

Position Title	:	Head of Operation Excellence & Network Performance
Specialization	:	Digital Operations & Service Management – Telecommunications (5G Mobile)
Role	:	Tower led under Digital Operations & Service Management which oversee the whole operation of 5G RAN, Network Optimization, 5G Core, NFVi/CNIS/MANO, OSS/BSS platform, Datacenter Infrastructure & Automation, IP Core/IP RAN, Network Quality & Performance.
Skills	:	Management and technical advisory to operation excellence & Network Performance tower which involve mostly on setting up the process, building the 5G infrastructure, managing manpower & cost center, operations governance of DNB 5G mobile services for national deployment
Team Size	:	14 Personals with 4-line managers. (Exclude manage services team of 20 personals)
<u>(Roles & Responsibilities)</u> <ul style="list-style-type: none"> • Management & Technical advisor Role to Operations Excellence & Network Performance tower under Digital Operations & Service Management department. • Oversee a group of technical experts covering the 5G RAN, Network Performance Optimization (NPO), 5G Core Infrastructure (NFVi/CNIS/MANO), 5G Datacenter Infrastructure & automation tools, IP Core Infrastructure, IX platforms, 5G Network Security platform, OSS platforms, BSS platforms, virtualizations & cloud platforms, storage & compute. • Advisory role and part of change approver board (CAB) members for any change & release management process related to DNB 5G Infrastructure & Corporate IT deployment. • A permanent member of Architecture Review Board (ARB) for DNB • Advisory role on operation governance and architecture matters for digital operations onboarding process. 		

- Cost management for Digital Operations – CAPEX & OPEX Planning

2. CIMB Bank Malaysia (June 2021 – October 2021)

Position Title	:	Director, Network & Infrastructure Services
Specialization	:	Head of Network and Infrastructure Services Tower
Role	:	Director of Network & Infrastructure services for CIMB group technology covering the group organization and regional business unit
Skills	:	Management and technical advisory, technical architecture strategy and roadmap, Incident Management, CAPEX/OPEX, Business related forecast for IT Infrastructure, Budget planning and requisitions, Tender Evaluation committee, Staff planning, Operation and change members for group technology. Advisory role for regional and business unit under group organization.
Team Size	:	47 Personals with 4-line managers
<u>(Roles & Responsibilities)</u> <ul style="list-style-type: none"> • Management & Technical advisor Role to Network & Infrastructure Services Tower under CIMB Group Technology • Oversea a group network wide infrastructure, Security Infrastructure, and Unified Communications (Telco) domain in specific • Advisory role for regional business unit in terms of network services and infrastructure • Advisory role for other infrastructure domain like compute, VMs, Storage, backup, Security Infrastructure, etc • Area of responsibility covers various of IP and communication platforms either for projects or ^[1]operational deliverables in Data Center infrastructure, Core Switches, Routers, Firewall (NGFW), APT Solution, IPS/IDS, Load balancer, Proxy server, DNS/DNS Security, Secure Mail Gateway, Wireless Infrastructure, VoIP Infrastructure, Telepresence, VC, storage, backup system, Datacenter cabling & Infrastructure, etc • Active involvement with many audits and compliance exercise (PCI-DSS, RMIT, MAS, DCRA, TVRA, etc) 		

3. Maxis Communications Berhad (October 2020 – June 2021)

Position Title	:	Enterprise Architect (EA)
Specialization	:	Enterprise Practice – Converge ICT Solution
Role	:	Enterprise Architect (EA) covering business and technical cross domain architecture requirement
Skills	:	Areas of responsibility covering all Maxis 5G enterprise solution like, Networking, Connectivity (Fixed/FWA), Cloud Solution, IoT Solutions, Analytics (AI/ML), Cybersecurity, Digital Workplace, IT Infrastructure (VM, Storage, Server, Backup, HCI), E-Commerce, Digital Sales/Marketing Platform, 5G/4G/LTE solution & ISP related infrastructure
Team Size	:	Individual Contributor
<p><u>(Roles & Responsibilities)</u></p> <ul style="list-style-type: none"> • One to be on board for strategic deal and cross domain architecture requirement with business acumen as an objective. • Oversea the business and technical aspect for strategic deal, key account, and diamond type of engagement for Maxis Enterprise business • Senior member of Enterprise Practices and technical advisor to Solution Architect (SA), Sales Specialist and Presales working group • Deal Forum and Architecture board members for Maxis Enterprise business domain • Working closely with deal maker, Maxis Management team and Key Salespeople to identify the feasibility and risk of any relevant opportunity. • Involve with various business sector solutions like Financial Institution (FSI), Oil & Gas, Conglomerate, Government, SME, etc 		

4. **UOB Bank Malaysia (Sept 2019 – October 2020)**

Position Title	:	First Vice President (FVP), Head of Network & Infrastructure Services
Specialization	:	Bank Wide IT Infrastructure
Role	:	Head of Network Infra, Network Security, Communications Infra and datacenter infrastructure domain
Skills	:	Management and technical advisory, technical architecture strategy and roadmap, Incident Management, CAPEX/OPEX, Business related forecast for IT Infrastructure, Budget planning and requisitions, Tender Evaluation committee, Staff planning, Operation and change members
Team Size	:	9 Technical Staffs with various level
<p><u>(Roles & Responsibilities)</u></p> <ul style="list-style-type: none"> • Management & Technical advisor Role to Network & Communication department under Shared Infrastructure Services Pillar • Overseas a Network wide infrastructure, Security Infrastructure, Datacenter and Unified Communications domain in specific • Advisory role for other infrastructure domain like compute, VMs, Storage, backup, Security Infrastructure, etc • Members of Architecture board and Change approval board • Area of responsibility covers various of IP and communication platforms either for projects or ^[IT]_{SEP} operational deliverables in Data Center infrastructure, Core Switches, Routers, Firewall (NGFW), APT Solution, IPS/IDS, Load balancer, Proxy server, DNS/DNS Security, Secure Mail Gateway, Wireless Infrastructure, VoIP Infrastructure, Telepresence, VC, storage, backup system, Datacenter cabling & Infrastructure, etc • Active involvement with many audits and compliance exercise (PCI-DSS, RMIT, MAS, DCRA, TVRA, etc) 		

5. **Cisco Systems (Malaysia) (Dec 2017– Sept 2019)**

Position	:	Senior System Architect (SA)
Specialization	:	Solutions/Architecture/Systems Engineering – Telco/ISP domain
Skills	:	Service Provider Solutions/Enterprise Solutions/Architecture proposal/Tender Specifications/RFQ/RFI/Costing/BOM/BOQ/POC and testing/Client management
Team Size	:	Individual Contributor
<p><u>(Roles & Responsibilities)</u></p> <ul style="list-style-type: none"> • Solution Architect role for Global Service Provider segment focusing on Malaysia Telco Key account. • Provide technical consultancy to customer in various technology domain like SP Technology (IP & Optical), Enterprise Technology, Data center, SDN/NFV, NFVi/MANO, Telco-IT Cloud solutions, Orchestration, Wireless & Mobility domain (EPC/MME/RAN, LTE,5G Core), Security Solutions, OTN/IPoDWDM, SD-WAN, SD Access, etc • Solution proposal (business & technical) based on customer requirement and business case. • BOM/BOQ/RFI/RFQ/RFP/Tender preparation and participation based on technical requirement. • Coordinator, configuring and designing a POC/Testing/Demo environment to meet customer requirement. • Account facing Subject Matter Expert (SME) and advisory role to customer 		

6. **Celcom Axiata Berhad (Sept 2014 – Nov 2017)**

Position Title	:	Head of Network & Datacenter Engineering cum Infrastructure Architect
Specialization	:	Infrastructure Engineering/Architecture/Project Deployment
Skills	:	Management and technical advisory, technical architecture strategy and roadmap, Incident Management, CAPEX/OPEX, Business related forecast for IT-Enterprise Infrastructure and Celcom Telco Datacenter (Cloud), Budget planning and requisitions, Tender Evaluation

		committee, Staff planning, Operation and change members
<u>(Roles & Responsibilities)</u> <ul style="list-style-type: none"> • Managerial & Technical lead Role for IP Enterprise Network & Data Center Team (Engineering & Operation) • Oversea end to end IP Network & Datacenter design/implementation/deployment for Enterprise, IT and Telco Domain • Technical Consultant for any related IP Platform & Systems Infrastructure • Area of responsibility covers various of IP platforms project delivery in Data Center and Enterprise domain such as Core Switches, Routers, Firewall (NGFW), Load balancer, Proxy server, DNS, Wireless Infrastructure, VoIP Infrastructure, Telepresence, VC, storage, backup system, Datacenter cabling & Infrastructure, etc • Advisory role for the Next Generation Data Center and Telco cloud design & Implementation (SDN/NFVi/MANO/Cloud services/IPv6/storage/backup) • Members of Architecture Board & Enterprise Architecture Forum (EA) – Infrastructure Architect 		

4. DiGi Telecommunications (Jan 2012 – Sept 2014)

Position Title	:	Associate Principle/Head of Sub-Section
Specialization	:	IP Transport Planning & Engineering
Skills	:	Technical Lead/Planning and design SME/Configuration/Testing/Design verifications
<u>(Roles & Responsibilities)</u> <ul style="list-style-type: none"> • Architect and Planning role for IP Transport (IP Core, Aggregation, Access, IX/ISP, enterprise, etc) • Technical Lead for any related IP Platform in DiGi Network • Technical Lead on IP/MPLS Core + IP RAN network – design & planning • Technical Lead for DiGi IP Transport network modernization (IX/ISP, IP Core, IP RAN) 		

- Technical lead for IP Backhaul in LTE service deployment.
- 4th Level technical expertise either on Operational related issues or Engineering design matters
- IP Solution role for Mobile Core Services; PS/CS Core, RAN, Mobile, etc
- IP Solution role for enterprise, data center and campus network deployment
- Budget Acquisition for any IP Related/transport Project; RFP/RFQ, BoQ, Purchasing, etc
- Maintains technical staff by orienting, recruiting, forecasting, developing the personal skills, etc
- Technical Reference Members for Telenor Group IP Network Design & Architecture initiatives –
Telenor Global and group IP Network Blueprint

5. Huawei Technologies (Malaysia) (Jan 2009 – Dec 2011)

Position Title	:	Solution & Design Engineer/Network Consultant
Specialization	:	IP Transport Planning & Engineering
Skills	:	Detail Network Design/ Configuration/Testing/Proof of Concept/Pilot sites deployment/Troubleshooting/Intergrations/Documentation

(Roles & Responsibilities)

- Network Consultant, designer and solution role in Huawei Technologies (Data Com Product line)
- Global Service role; supporting global project deployment.
- Technical lead on new deployment or expansion for Service Provider or Carrier Class operator level (ISP/SP/Telco)
- Responsible for planning, designing and deploying IP/MPLS model, Metro-E network, Internet core, Mobile Backhaul (3G & 4G), Enterprise network etc
- Technical deployment lead and Integration
- Customer point of reference for product line matters
- Project documentation readiness such deployment plan, migration plan, Low Level Design (LLD), High level design (HLD), Technical Proposal, BoQ etc

6. TIME dotcom Berhad (Nov 2003 – Dec 2008)

Position Title	:	Network Engineer/Assistant Manager
Specialization	:	Telecommunications/IP Network/Operations/Planning
Skills	:	Network Monitoring/Operations & Support/Provisioning/Planning
<u>(Roles & Responsibilities)</u>		
<ul style="list-style-type: none">• Support and operational position for MPLS/IP Core, Internet Core, MBONE, LL, COINS, etc• 2 & 3 level support for O&M team• Project deployment for MS services and premium internet customer• Technical proposal and LLD for Enterprise customer• Planner and designer role for IP Engineering Division (IP Core, Metro-E, NGN, Internet Backbone)• 4th Level technical support either on Operational related issues or Engineering design matters• Technical Lead on Manage Services related Project (Premium VPNs, L2/L3VPN, Hosting, CoC/CSC• Technical Lead for IP related matters on NGN project deployment – VoIP, Voice Services, Peering, etc• Network Designer & Deployment lead on IP Multicast/IPTV project deployment (TIME-ASTRO)• Technical members of TIME dotcom IP Network modernization (Internet + IP Core + Metro-E, FTTx/FTTH,)• Technical Lead on Metro Ethernet network design and planning• Technical lead for services testing and network validation in Test bed environment• Budget acquisition for IP related infrastructure – RFP/RFQ, purchasing, tendering, etc		

HIGHLIGHTS ON SUCCESSFUL PROJECTS DELIVERY

- Successful deployment of IP Core/IP Mobile Backhaul/SGSN-GGSN/EPC-MME/Metro-Ethernet/High Speed Broadband of multiple Global Internet Service Provider (ISP) like:
 - TATA Mobile, Reliance Jio, Aircell (India)
 - Etisalat Egypt/NILE Online
 - VPNT Vietnam
 - MTN Cameroon
 - TIME dotcom
 - Telekom Malaysia (HSBB)
 - Digi Telecommunications & Maxis Communications
- Successful deployment of new IP Core and Mobile backhaul of DiGi Telecommunications
- Successful deployment of Astro Broadcasting Multicast backbone deployment for Astro IPTV project
- Successful deployment of new IP Core and Metro-Ethernet cloud for TIME dotcom
- Successful deployment and awarded as PCI-DSS compliance organization for PCI-DSS audit exercise (Celcom).
- Successful migration and consolidation of Celcom Data center project (IT and Telco)
- Successful deployment of first Software Defined Network (SDN) Architecture in Malaysia through Cisco ACI platform (Celcom)
- Successful integration of SDDC architecture and CMP through Cisco ACI & VMware Orchestration piece (ESXi/VRo/VRa) - Celcom
- Multiple success story for clients and customers – Cloud architecture, Telco Cloud (NFVi/MANO), SDN, SDDC, virtualization, storage, etc.
- Successful deployment of new architecture for Maxis Data center modernization
- 4000 ++ sites to date 5G deployment for National digitalization agenda under the MyDigital Blueprint - ongoing

- Establishment of Digital Operation organization to support nation 5G deployment (processes and governance for NOC, SOC, Field Support, Optimization, Change Management & 5G network platforms)
- Successful deployment of first 5G MOCN architecture in Malaysia (RAN, Core, POI, OSS, BSS, automation tools, and supporting tools)

REFERENCES

Name : Bahrin Bin Ithnin
Hp No : 016-3300 244
Position : Head of Network Operation & Security Operation Center
Company : Digital Nasional Berhad

Name : Mohd Ridzuan Mohd Nor
Hp No : 011-1001 1973
Position : Chief Technology Officer (CTO)
Company : Uni5G, Telekom Malaysia (TM)