


YAP CHEE WAI

Seasoned Digital Transformation leader and advisor with vast experience in Healthcare, Telco, ports & logistics, Oil & Gas Midstream, FSI, E-Commerce, FMCG, manufacturing, go-to-market, API strategy & Integration, IT Architecture / Blueprint, IT Security, Business Process Reengineering, IoT, Agile DevOps, Network, Mobile, Cloud and Big Data, AI & RPA.



chwyap2@gmail.com 

+6019-2248346 

Regional Experiences
ASEAN, APAC 

SUCCESS STORIES

NATIONAL KIDNEY FOUNDATION & KPJ HEALTHCARE BERHAD

HEALTHCARE BRICK'N'MORTAL' TO DIGITAL HYBRID
Physical consultation to Online Consultation, and seamless customer experience across physical and virtual channels.

KPJ HEALTHCARE BERHAD

SOC IMPLEMENTATION AND OPERATION

Successfully detect and mitigate numerous internal and external cybersecurity threats (e.g. disgruntled former employees, Solarwinds Attack)

JOHOR PORT BERHAD AND MMC

M&A (MERGER & ACQUISITION)

M&A of Penang Port and North Port to MMC Port.

JOHOR PORT BERHAD AND MMC

ICT AND DIGITAL TRANSFORMATION BLUEPRINT

Inception and execution of Digital Transformation Blueprint and Group Wide IT Projects for MMC Port and Logistics

YTL COMMUNICATIONS ("YES")

SUCCESSFUL LAUNCH OF YES

Go-To-Market Strategies and Plan, BSS, Portal, Apps and successful Launch of the YES

INFOINTACT SDN BHD

SUCCESSFUL MOBILE MARKETING CAMPAIGNS

Successful Mobile Marketing campaigns for Mc Donalds, F&N, cosmetics and telco companies. Successful implementation of Process Automation with IoT integration.

OTHER MNCs (Hewlett Packard, Sun Microsystems, BEA Systems)

Trusted Advisor for customer, Well-recognized technical expertise and Well-recognized speaker for public conference and forum.

SKILLS & ABILITIES

- Leadership, People Management, Entrepreneurship
- Digital Transformation, Go To Market strategy
- IT Blueprint, Business Process Reengineering
- Cloud, IoT, and Big Data Analytics, RPA.
- Network, Mobile Apps and Technologies
- Agile Software Development and Integration
- Customer Experiences

OUTSTANDING AWARDS

- Monash University Science Faculty Scholar
- Sun Microsystems Sunrise President Club

EXPERIENCE

FREELANCE CONSULTANT AND ADVISOR

2022 – CURRENT

Consultant and Advisory on Digital Transformation, Process Automation, User Experience, AI and RPA.

KPJ HEALTHCARE BERHAD

2019 – 2022

Chief Technology Officer in charge of group-wide IT and Digitalization projects and initiatives

JOHOR PORT BERHAD AND MMC

2013 – JAN 2019

Head of ICT and Project Director for the group-wide inception and execution of ICT Blueprint

ERICSSON

2011 - 2013

Regional Head for Media & Application and Academy responsible for the P&L and successful implementation of the Projects under the Portfolio.

YTL COMMUNICATIONS ("YES")

2009 - 2011

Deputy Head of IT and Key Lead for the inception of Go-To-Market Strategies and Plan, and successful Launch of the YES

INFOINTACT SDN BHD

2004 – 2007

CTO, Founder, Board – Startup in Mobile Marketing, Apps, Digital Transformation and Process Automation.

OTHER MNCs (Hewlett Packard, Sun Microsystems, BEA Systems)

System Engineer, Java Evangelist, Enterprise / Solution Architect, Technical Manager, LOB (Line of Business) Manager.

EDUCATION

MONASH UNIVERSITY, VICTORIA, AUSTRALIA

Bachelor of Science (Major in Computer Science)

Bachelor of Engineering, second class upper honours

(Major in Electrical and Electronics Engineering)

DETAILED CV

PERSONAL DETAILS

SURNAME : Yap
GIVEN NAME : Chee Wai
SEX : Male
PERMANENT ADDRESS : Bandar Sungai Long, Selangor, Malaysia.
MOBILE PHONE NO : + (6019) 2248346
EMAIL : chwyap2@gmail.com
MARTIAL STATUS : Married
LANGUAGE (speak & write) : English, Malay, Mandarin, Cantonese, Hokkien, Hakka
LINKEDIN PROFILE : <https://www.linkedin.com/in/cwyap>



ACADEMIC BACKGROUND

SCHOOL / UNIVERSITY	QUALIFICATION
Monash University, Clayton, Victoria, Australia.	Bachelor of Engineering with Second Class Upper Honours (Major - Electrical & Electronics Engineering)
Monash University, Clayton, Victoria, Australia.	Bachelor of Science (Major - Computer Science)
Trinity Grammar School, Kew, Victoria, Australia.	Victorian H.S.C. ('A' Level) Result : 5As, 1C.
Methodist Boys' School, Kuala Lumpur, Malaysia	S.P.M. ('O' Level) Grade 1 Result : 8As, C3 for Bahasa Malaysia
Methodist Boys' School, Kuala Lumpur, Malaysia	Chan Wing Scholarship
Trinity Grammar School, Kew, Victoria, Australia.	Class Distinction, Senior Division of Australian National Chemistry Quiz.
Monash University, Clayton, Victoria, Australia.	Science Faculty Scholar
Sun Microsystems	Sunrise President Club

WORK EXPERIENCE

YEAR	COMPANY NAME	KEY EXPERIENCES AND ACCOMPLISHMENTS
Mar 2022 - current	Freelance Consultant and Advisor	Providing Consulting and Advisory on Digital Transformation, Process Integration / Automation / Reengineering, User Experience Transformation, Operation Efficiency Enhancement, Transaction and Data Integrity, Enterprise System / Application / Data Integration, AI / RPA for Telco, Healthcare, Manufacturing and Distribution (Electrical / Electronics, Automotive, etc), Financial Services, Logistics, etc.

June 2022 - current	National Kidney Foundation (NKF), Malaysia	<p>IT Advisor and Member of National Kidney Foundation's IT Steering Committee.</p> <ul style="list-style-type: none"> • Providing Advisory, Guidance and Mentoring to NKF Malaysia on Digital Transformation journey, IT Security (Internal and Cybersecurity) and IT initiatives. • Working closely with the Board of Directors and Management, to drive the aggressive Digital Transformation roadmap which will transform NKF as one of the first few Non-Profit Organization in the region to realize the fully seamless and efficient end to end digital patient journey, on par with the private hospitals
Feb 2019 – Feb 2022	KPJ Healthcare Berhad (Region : ASEAN, Australia, Bangladesh)	<p>Chief Technology Officer (CTO)</p> <p>As KPJ CTO, I was responsible for applications development, information communication technology, Digital Transformation from Brick and Mortar to Digital Hybrid business model throughout the organization, and for all facets of digital information communication technology management and control, including strategic planning, supervision of ICT employees, budget preparation and management, recommendations for Digital and ICT solutions, stakeholder management, IT Governance, IT Security and development of guidelines, standards and procedures. The digital information technology platform includes all hardware and software, application (in house developed or third party), master data management, data integration, big data analytics, private / public / hybrid cloud, owned, or leased including multiple operating systems and data communications.</p> <p>Key responsibilities :-</p> <ol style="list-style-type: none"> 1) Manage and control the implementation of strategic digital projects (inclusive of Hospital Information System, Digital Dashboard, Data Integration, Master Data Management, Big Data Analytics, Digital Platform for Patients and Doctors, Online Apps and Services), operational ICT governance processes and ensure the ICT strategy is aligned with Company's vision, mission and strategy including its subsidiaries. Provides vision, leadership and management of ICT resources to assist line of business meet its goals and objectives 2) Provide technical advisory and leadership (to all business stakeholders) to ensure all ICT Services are able to meet the Business Goals and Service Level expectation. 3) Lead IT strategic and operational planning to achieve business goals by fostering innovation, prioritizing ICT initiatives and coordinating the evaluation, development, implementation, deployment and management of current and future IT platform (Data Driven, Hybrid Cloud, Cloud Native and Future proof) and across the organization 4) Ensure continuous high-performance delivery of ICT services through oversight of service level agreements and service level guarantee with end users and monitoring ICT systems performance 5) Inception and continuous improvement of KPJ IT Enterprise

		<p>Architecture and Digital Transformation Roadmap taking into consideration of the KPJ Business Direction, Vision, healthcare compliance, competition and growth opportunities.</p> <p>6) Promotes and oversees strategic relationships between internal ICT resources and external entities including vendors and partner organizations</p> <p>7) Ensure the adoption of well proven, widely adopted and future proof best practices and technologies in the inception and improvement overtime for KPJ IT Enterprise Architecture and realization of KPJ Digital Vision.</p> <p>8) Ensure the necessary IT Governance and Enforcement are in place to govern the project implementation, day to day operation, IT Security, Procurement, etc, while maintain the momentum and speed of delivery on implementation and development of the Infrastructure, Applications, and Digital Services.</p>
July 2013 – Jan 2019	Johor Port Berhad and MMC Ports (Region : Malaysia, Middle East)	<p>Head of Information and Communication Technology (Head of ICT) and IT Project Director and Technical Advisor for MMC Ports and Logistics.</p> <p>Johor Port Berhad, a Member of MMC Group, is an integrated Multi-Purpose Port facility located at the southern tip of Peninsular Malaysia providing a comprehensive range of port, engineering, marine and logistics services which include the Container Terminal, Bulk & Break Bulk Terminal, Liquid Terminal, Liquid Storage, Warehousing Facilities, Offshore Platform repair / engineering services, Logistics and Marine Services. Other ports and logistics entities of MMC includes Port of Tanjung Pelepas, Northport, Penang Port, Tanjung Bruas Port, SPT Services, Kontena Nasional Berhad and Andaman Port.</p> <p>I was responsible for information communication technology throughout the organization, and for all facets of information communication technology management and control, including strategic planning, supervision of ICT employees, budget preparation and management, recommendations for ICT solutions, stakeholder management, and development of guidelines, standards and procedures. The information technology infrastructure includes all hardware and software, application (in house developed or third party), IT Security (Internal and Cybersecurity), master data management, data integration, big data analytics, private / public / hybrid cloud, owned, or leased including multiple operating systems and data communications.</p> <p>Key responsibilities :-</p> <p>1) Program / Project Managed and executing the implementation of Johorport and MMC Ports' strategic projects (inclusive of MMC Ports ICT and Digital Transformation Blueprint, group projects, ITaaS – IT as a Service (including SOC – Security Operation Centre), ERP, Messaging and Collaboration Platform, PrefChem build phase, and SPT Services), operational ICT governance processes and ensure the ICT strategy is aligned with Company's business strategy including its</p>

		<p>subsidiaries. Provides vision, leadership and management of ICT resources to assist business partner meet its goals and objectives</p> <ol style="list-style-type: none"> 2) Provide technical advisory and leadership (to both Johor Port and MMC Ports) to ensure all ICT Services are able to meet the Business Goals and Service Level expectation. 3) Lead IT strategic and operational planning to achieve business goals by fostering innovation, prioritizing ICT initiatives and coordinating the evaluation, deployment and management of current and future IT system across the organization 4) Ensure continuous high-performance delivery of ICT services through oversight of service level agreements and service level guarantee with end users and monitoring ICT systems performance 5) Promotes and oversees strategic relationships between internal ICT resources and external entities including vendors and partner organizations
June 2011 – July 2013	Ericsson (Region Southeast Asia & Ocenia (RASO) – South East Asia, Sri Lanka, Bangladesh, Australia and New Zealand)	<p>Head of Sub Domain SDP – Media & Application Competency Domain Region Southeast Asia & Ocenia (RASO) – South East Asia, Sri Lanka, Bangladesh, Australia and New Zealand.</p> <p>Key responsibilities :-</p> <ol style="list-style-type: none"> a) To be accountable for the inception and Go to Market strategies (for Ericsson and Customers) in the solution areas of SDP / Service Enablement, TV, Mobile Advertising, SOA, Cloud Computing, Mediation / Integration), VAS Transformation, Customer Experience (QoE & QoS), and SI delivery Framework (cross domain – OSS, BSS, Media & Application, Core Network, Mobile Broadband, Mobile Health, etc). b) To ensure consistent (System Integration, custom turnkey or product implementation) project delivery to customer in accordance to the project contractual terms within budget and agreed timeline. c) To drive dimensioning and optimization of delivery capacity for sub domain, and responsible for operational and capital budget. d) To be accountable to fulfill the specific objectives and KPIs for the solution domain of Media & Application. e) To be accountable for competence development for the solution domain; ensure continuous growth of regional competence as well as individual development of managed resources. f) The global interface for solution domain of SDP (Service Delivery Platform),

		<p>g) Managing and Coaching team of specialists and Project managers to grow their skills and encourage teamwork.</p> <p>Head of Academy - Region Southeast Asia & Oceania (RASO) – except Indonesia, Australia and New Zealand. Ericsson Academy is the entity which is delivering internal and external training and provide telco professional training solution, structured knowledge transfer, competence consultancy and certification program.</p> <p>Key responsibilities :-</p> <ul style="list-style-type: none"> a) Responsible for Ericsson Academy and Learning Services P&L, operation efficiency and service quality. b) Responsible for managing Sales, Operation and Delivery team within Ericsson Academy. c) To be accountable for the creation / inception and Go to Market strategies of Solution & Framework of telco training, structured knowledge transfer, competence consultancy, industry strategic program / collaboration with government and education institutions. d) To be accountable for competence development for the solution domain; ensure continuous growth of regional competence as well as individual development of managed resources.
End 2009 – May 2011	YTL Communications Sdn Bhd (YES – Malaysia Fastest 4G mobile broadband with Voice)	<p>Deputy Head of IT and Head of IS</p> <p>Key responsibilities :-</p> <ul style="list-style-type: none"> - Deputy Head of IT - Lead the Build Team of IT and managed all the IT programs and projects (inclusive of IT outsource team) – which includes the IT PMO, Business Architects, Technical and Solution Architects, BI Team, Application Teams. IT Build Team is responsible for turning Business Requirements into reality using COTS or turn- key solution, inclusive of OSS, BSS (inclusive of Billing System, ERP and CRM), Portal, NOC (Network Operation Centre), SOC (Security Operation Centre), SDP, Application Integration, Data Integration, Digital Dashboard, Big Data Analytics and any other IT Systems required for the Commercial Launch of YES. - Chief Architect responsible for the overall IT Blueprint and Architecture. - Managed and planned the overall IT Budget allocation for both capital and operational budget, and key members of evaluation and approval committee for the procurement of Technology, Hardware, Software, Services, and IT Security (Internal and Cybersecurity). - Utilizing the IT automation and solution to create competitive edge, new business strategies and GTM (Go to Market) strategies for YES - One of the key contributors for the Commercial Launch of

		<p>YES, and key drivers of the strategic planning team that strategize and finalize the Go-to-Market Strategies.</p> <ul style="list-style-type: none"> - Part of the key team members on the inception, architecting and strategic planning of TV initiatives of YTL Communications.
July 2007 – July 2009	Sun Microsystems	<p>Head of System Practice and Business Development Manager for Sun Microsystems System Practice responsible for Malaysia.</p> <p>Key responsibilities :-</p> <ul style="list-style-type: none"> - Develop Sales Strategies and Solutions for Systems Products - Manage Systems revenue, margin, and overall systems product portfolio for Sun in Malaysia - Plan, mentor and ensure sufficient competency to deliver project related to System Products and Solutions. - Create linkage with SEA, APAC and GLOBAL System practice and execute their overall program - Work with Sun Partners to create maximum revenue opportunities for system.
End 2004 – July 2007	InfoIntact Sdn Bhd Start up Venture – Apps, Mobile Marketing Solution and Service Provider & IT Consulting (Region : ASEAN)	<p>Chief Technology Officer, Managing Director and Co-Founder of InfoIntact Sdn Bhd</p> <ul style="list-style-type: none"> • Founders and Managing Directors • Managed the P&L • Responsible for the GTM (Go to Market) Strategy • Chief Architect for all the technology and solution creation • Charting technology and solution roadmap <p>InfoIntact is a Consulting Services, Apps and Mobile Marketing Solution & Service Provider on the following areas :-</p> <ol style="list-style-type: none"> 1. Mobile Services, Service Delivery Platform 2. Business Process Management (BPM) 3. Digital Dashboard, Data Integration, Master Data Management, Big Data Analytics 4. Middleware and Service Oriented Architecture (SOA) based Architecture / Framework / Application / Platform 5. Mobile & Web Portal 6. POS, ERP, F&B Process Automation 7. RFID, Smartcard, Mobile Devices or Sensor and other IoTs.
	BEA Systems (Region : ASEAN)	<p>Technical Lead</p> <ul style="list-style-type: none"> - PIONEER for Malaysia Branch Office. - Pre-sales technical lead for Malaysia. - Tasked to increase the awareness and market share of BEA as THE APPLICATION PLATFORM PROVIDER - Accountable for the competency of BEA's local partners, grow the partner base, and managed the virtual pre-sales technical team of BEA Partners. - Technical Architect / Advisor and Project Manager for Proof of Concept and Pilot Project. - Key area of expertise – Enterprise Integration which cover legacy system integration, cloud integration, B2B, SOA, etc. - Key focus vertical industry for Malaysia – FSI, Telco,

		<p>Manufacturing, Logistics, Transportation, and Government.</p> <ul style="list-style-type: none"> - Playing the role of Sales and Channel Manager whenever BEA Malaysia is without the Sales Representative - looking for leads and sales opportunities, customer and account management, and recruiting partners.
	Sun Microsystems (Region : ASEAN)	<p>SE Manager and Financial Services Industry (FSI) IT Architect for Asia South</p> <ul style="list-style-type: none"> - Responsibilities as listed below (IT Architect) - As the SE Manager, managing and coaching the team of SE focusing on E-Business Application Infrastructure. - Liaison with key financial Independent Software Vendors and System Integrators. - Asia South pre-sales technical point of contact with regards to technical aspect of Financial Services Industry solutions. - Work with the industry sales development team on regional financial services initiatives and Pilot Projects. - Help to formulate Financial Services Industry related architecture framework, sizing & configuration guidelines and best practices using Sun products, technologies and services. - Provide technical leadership and skills training roadmap for pre-sales technical consultants focus on financial services industry. <p>Pre-Sales Technical Team Leader and IT Architect</p> <ul style="list-style-type: none"> - As the Team Leader, coaching and guiding the Junior SEs. Helping SE Director to manage the Junior SEs. - Advisor to customers in forming the Enterprise IT Architecture / Blueprint which is vertical industry specific and addresses business growth, merger and acquisition and cost reduction. Focus industries – Telco, FSI and Manufacturing. - Promote and evangelize on Open Standard Java strategy and architecture as the right IT Architecture to adopt. - Involve in pre-sales activities, designing, architecting of projects which promote the adoption of Java and SunOne Architecture. - Manage and Implements the pilot project, and also involved in project implementation as project manager, advisor, and / or technical lead. <p>Java Evangelist for Malaysia</p> <ul style="list-style-type: none"> - Promote and evangelize on Java Technology and Vision to government, education, general public and private sector especially Telco and FSI sector. - Design and implement (in pilot project) solution on Java Devices, Technology and products including J2SE, J2EE, J2ME, J2EE App Server, Embedded Devices, Java Desktop, Blueprint and Best Practice, etc. - Design, manage and Implement demonstration and pilot projects to harness the power of Java as the Application Platform (J2SE and J2EE), Integration Platform (J2EE, JCA Adapters, XML), Mobile Devices / Services Platform (J2ME). <p>Senior Technical Consultant</p> <ul style="list-style-type: none"> - Provide pre-sales technical support to Sun's sales and marketing team, resellers and distributors. - Managing and coaching the distributor's pre-sales technical team. Ensuring and assisting in maintaining the technical skill and quality work of the team. - Account management of selected major accounts on the

		<p>technical aspect.</p> <ul style="list-style-type: none"> - Promote and evangelize Sun's technology - includes managing and implementing pilot projects, products and technology demonstration, presenting and speaking in public seminars. - Key focus vertical industry – FSI, Telco, Manufacturing, Logistics, and Transportation.
	Hewlett Packard	<p>System Engineer</p> <ul style="list-style-type: none"> - Post-sales support for HP enterprise servers, networking products (including Cisco) and software (e.g. Openview). - Managing and implementing large system and network integration projects. - Managing the post sales support of assigned mission critical accounts, e.g. ensure service level and customer satisfaction. - Serving customers in various vertical industries, namely FSI, Telco, Manufacturing, Logistics, Transportation, Commercial, Government, etc. <p>Senior System Engineer and Team Leader</p> <ul style="list-style-type: none"> - In addition to the responsibilities above, as the team leader to manage and coach a team of junior engineers. - Project manager for projects involving nationwide Data Center setup, migration and relocation.

SUCCESS STORIES

- a) Inception and execution of **KPJ Digital Transformation** Plan from traditional Brick and Mortar healthcare provider to a Hybrid Digital Healthcare provider with seamless data driven customer experience across all delivery channels – **Online Doctor Consultation, Digital Dashboard, Master Data Management, Medical Equipment Integration, Facial & Biometric Recognition, IOT Integration, Big Data Analytics, Process Automation (RPA) through AI and Machine Learning.**
- b) Inception, implementation and continuous effective operation of **KPJ SOC (Security Operation Centre) with smart AI detection and execute counter-measure (Splunk Platform)** which have successfully detect and mitigate numerous internal and external cybersecurity threats (e.g. disgruntled former employees, Solarwinds Attack even before it was being announced to customers). At the same time, SOC will actively monitor and detect any potential security weakness, and enable the IT Security team to perform early security threat prevention actions.
- c) One of key members of the team (from ICT perspective) **that ensure successful Merger and Acquisition (M&A) exercise** of newly acquired ports and logistics companies (**Penang Port, North Port and Kontena Nasional**) into **MMC Ports**.
- d) Leading and executing the inception and execution of **MMC Ports Group ICT and Digital Transformation Blueprint project** which charts the strategies and direction to realize the vision of **ITaaS (IT as a Service) for all entities** within the group, and **related Messaging & Collaboration Platform, ERP, IT Security, Port Management System, Cloud, Big Data Analytics, AI and Machine Learning, IoT, RPA, Digital Transformation and ITaaS projects.** One of the key deliverables is the **data driven process automation of port, engineering, marine and logistics services** which include the **Container Terminal, Bulk & Break Bulk Terminal, Liquid Terminal, Liquid Storage, Warehousing Facilities, Offshore Platform repair / engineering services,** and

Marine Services. Ports of MMC.

- e) **Johor Port Checkpoint Efficiency and Paperless (CEP) Project which leverage on IoT Integration (CCTV, OCR, Sensors, Gate Control, other devices) to enable the real-time automation of container, liquid, bulk and break-bulk cargo import and export checkpoint operation.** The CEP Project will be extended to cover all check points and cargo types with **Facial & Biometric Recognition, IoT Integration, Big Data Analytics, Process Automation (RPA) through AI and Machine Learning.**
- f) Successful and continuous certification status of **ISO 27001 : ISMS (Information Security Management System) for the whole of IT Systems in Johor Port.** It is critical to have the right IT Policies and Governance in place to ensure full proof end to end IT Security.
- g) **PrefChem build phase and SPT Services** – Johorport is one of Service Providers for PrefChem build and establishment phase, and SPT Services Sdn. Bhd. (SPTS - a subsidiary of Johor Port Berhad) is the operator of the Pengerang Integrated Complex's (PIC) Solid Product Terminal (SPT). I was the key person in the design, architecture and program managed of the IT Infrastructure Setup and Process Automation of both projects which are Oil and Gas Midstream segments related services.
- h) **Key Contributors of the Commercial Launch of YES - Key drivers of the strategic planning team that strategize and finalize the Go-to-Market Strategies for the Launch, Lead the Build Team of IT** to deliver OSS, BSS, Portal, SDP, CRM, Digital Dashboard, Application and Data Integration, Data Analytics, IT Security, and any other IT Systems required for the Commercial Launch of YES, and **Chief Architect** responsible for the overall IT Blueprint and Architecture.
- i) **Key Driver** for Ericsson Solution Team to address the **VAS Transformation, Customer Experience Transformation, Big Data Analytics, Data and Application Integration** initiatives of Telco Operators in South East Asia, Sri Lanka, Bangladesh, Australia and New Zealand – e.g. Axiata-XL, TelkomSel, IndoSat, Celcom, Digi.
- j) **Grow Sun System Revenue by 120% in FY08** and Maintain growth for Malaysia Unix System Business while other countries suffer decline.
- k) **One of the Founder for InfoIntact Sdn Bhd – Application Integration, Content Development and IT Consulting firm** with a team of **Innovative and experience consultants** to ensure the success of high profile Mobile Content and Marketing Projects for **Mc Donalds, F&N, and cosmetic companies, IT Consulting and Enterprise Integration projects.**
- l) **Key team members of the Telco Solution Architect team for BEA ASEAN – Architecture Framework** for focus areas include EAI to OSS / BSS, Service Delivery Platform, Telco Wholesale, API Business Model, Mobile Data Services; and completed **successful Proof of Pilot / Pilot Project** for these areas.
- m) **Key team members of the FSI and Manufacturing Solution Architect team for BEA ASEAN – Architecture Framework** for focus areas include EAI and Data Integration to Backend and Supporting Systems (ERP, MRP, SCM, etc), Business Process Automation, API Business Model, Multi-Channel Financial Services, Application Platform for FSI, Straight Through Processing; and completed **successful Proof of Pilot / Pilot Project** for these areas
- n) **Java Evangelist and Driver for Java Technologies adoption and implementation of Java**

Solutions to address Real World problems (while working for Sun) – promote Java as the key technology, and Sun as the key Technology providers for corporate, government and MSC Malaysia.

- o) Trusted Technical Advisor for Rashid Hussain Securities, RHB Bank, Malaysian Airlines and MayBank** (while working for Sun and BEA) – IT Blueprint Inception and Execution.
- p) Pioneer member of Sun Asia South IT Architect team (while working for Sun)** – inception of Architectural Framework for FSI, Telco and Manufacturing, IT Blueprint Framework, Breakaway Go-to-Market Strategies leveraging on Web and Java Technologies (e.g. API Business Model, delivery channel through web and mobile).

COMPETENCIES SUMMARY

SOFTSKILL & BUSINESS

- Business Process Reengineering, Digital Transformation
- IT Blueprint
- Merger & Acquisition
- Go to Market Strategies and API Business Model

ARCHITECTURE

- Open Group TOGAF
- TM Forum eTom, Frameworx, NGOSS, OSS/J.
- Self-Developed Architectural Framework for Cloud enabled Financial Services – FSI.COM

SYSTEM INFRASTRUCTURE

- Hewlett Packard and Sun Microsystems Servers, Workstation, Storage and Backup devices.
- PC, Handheld / Vehicle Mounted Industrial and Smart Devices (Symbian, Palm, Windows, Android, iOS)
- Network Devices (router, bridge, hub, switch, WiFi, WAN, etc)
- Storage Area Network (SAN) – Fabric, Disk Storage, SAN Switch, HBAs, Storage Software.
- RFID and Barcode – tag, reader, antenna.
- Sensor – pressure, temperature, motion, infrared.
- Digital Multimedia – Video Streaming, Video input / output conversion.
- Storage Virtualization (Hitachi), Replication, Mirroring, Data Archiving, Tiered Storage.

OPERATING SYSTEMS

- OS – Mac OS, Linux, MS Windows, HP-UX, Solaris, FreeBSD, VMS, DOS, MPE (V and XL).
- Graphical - X-WINDOWS, CDE (Common Desktop Environment), GNOME, KDE, Windows.
- Mobile Devices – PalmOS, Windows Mobile, Symbian, Android, iOS.
- Network – Cisco IOS, Novell, Microsoft LAN Manager.
- Virtualization – VMWare, Xen, Sun LDOM, Redhat KVM, Container (Sun, Docker, Kubernetes).

NETWORKING

- SDN (Software Defined Network), SDWAN

- LAN - Ethernet / IEEE 802.3, Token Ring / IEEE 802.5, Fiber Optic, 10/100BaseT, Gigabit Ethernet, FDDI, Virtual LAN, Wireless LAN (802.11b/g/a, HomeRF), ATM, ISO OSI, LU 2.0 and LU6.2, GPON.
- WAN - X.25, leased line, dial-up line, ISDN, ADSL, WiMax
- Mobile Wireless – Wimax, GSM, 3G, LTE.
- Protocols - TCP/IP, IPX, SNMP, SDLC, HTTP, RMI, IIOP, WAP.
- Cisco IOS
- System and Network Management Tools - HP Internet Advisor, HP LAN Advisor, HP Protocol Analyzer, HP Openview, BMC Patrol.

CODING

- Languages - Java, C, C++, Turbo C++, Pascal, Delphi, Turbo Pascal, Cobol, Fortran, Vax 11 and Z80 Assembly Language, Lisp (A.I. Programming Language), Javascript / AJAX, Ruby on Rails (Web 2.0), Python.
- Markup Languages - HTML, WML, XML.
- Distributed Programming - CORBA, J2SE, J2EE, J2ME, Web Services.
- Mobile, Web & Cloud – NodeJS, Node Red, Ruby on Rails, AJAX, JSON, SOAP & REST Web Services.
- Agile and DevOps

SOFTWARE

- Office Productivity – StarOffice, Microsoft Office, Lotus SmartSuite (123, AmiPro, Freelance).
- Digital Audio, Imaging & Video Editing – Adobe, ULead, ATI, Real, Quicktime.
- Directory Server – iPlanet / Sun Java Systems Directory Server, OpenLDAP, Microsoft Active Directory.
- Messaging and Collaboration – iPlanet / Sun Java Systems Messaging Server, Sun Solstice Internet Mail Server, Microsoft Exchange Server / Cloud Office 365 deployment, Google Workspace.
- Web Server – Apache, iPlanet / Sun Java Systems , and Weblogic Web Server.
- Application Server – Glassfish, IONA Orbix and OrbixWeb, iPlanet / Sun Java Systems Application Server, Weblogic Server, Tomcat, Jonas, Geronimo, Websphere, jBoss, Windows Dotnet.
- XML – JAXP, Crimson, Xerces, Xalan, XQuery, XPath, XML Bean, SOAP, FOP, XML-Security.
- Enterprise Integration – Weblogic Integration, JSON, SOAP & REST Web Services, JCA Adapters.
- Portal – Weblogic Portal, iPlanet Portal Server, Apache JetSpeed, Apache Pluto, Apache WSRP4J.
- Application and Data Integration - BEA SOA Middleware and Platform Products – Tuxedo, Weblogic Server, Weblogic Portal, Weblogic Integration, Aqualogic.
- BPM, BPA BAM and Workflow (BPEL, XPD, BRML) – Weblogic Integration, Proactivity, Forte Fusion, iPlanet Process Manager, Sun Java Composite Application Suite (JCAPS), Enhydra Shark, Bonita, jBPM, jFolder, OpenWFE, WFMOpen.
- Redhat jBoss SOA Platform and Portal Platform.
- E-Commerce Suite – iPlanet ECXprt, SellerXpert, BuyerXpert, MarketMaker.
- Animation and Web 2.0 – Adobe Flash (upto CS3) & ActionScript (upto AS3), Ruby on Rails.
- Reporting – Crystal Reports, JReport, Jasper Report.

TELCO, CLOUD, TV & MEDIA

- Cloud deployment – SaaS, PaaS, DRaaS, Private / Public Cloud (Azure, Google, AWS).
- Over The Top / IP TV (Ericsson).
- M2M (Machine to Machine)
- Remote Medical Diagnostic – EMH (Ericsson Mobile Health)
- OSS, BSS – Ericsson, Oracle.
- IP Network, 4G Network
- Service Enablement Platform – SDP Solution Suites and Framework (Oracle & Ericsson), Open Source Framework.
- CDN and Content Delivery Server – Elata, Ericsson, Sun CDS.
- Service Creation and MultiChannel – BEA Weblogic Workshop, Mobileaware, Volantis, Sandcherry.

- Network Enablers / Integration to OSS / BSS – Java Adapter, JAIN, Parlay, OSS/J
- Integration to Network Elements like SMSC, MMSC, WAP Gateway.
- Integration to OSS & BSS – Portal Intranet, Billing Systems based on Mainframe IDMS, end to end integration of OSS & BSS (order taking – order handling – Inventory Management – Activation – Provisioning - Notification).
- Full Lifecycle of Over-The-Top Cloud Services & Content
- TM Forum eTom, Frameworkx, NGOSS, OSS/J

FSI

- Omni / MultiChannel Financial Services
- EAI to Core Backend System, Supporting System
- Straight Through Processing
- Loan Origination System, Cash Management System, Branch Delivery System, Unit Trust, etc.

INDUSTRY 4.0 and MANUFACTURING

- IoT – sensors and controllers
- Acritical Intelligence (AI) / Machine Learning (ML), Robotic Process Automation (RPA).
- Shop floor automation
- Material requirements planning (MRP)
- Computer-aided manufacturing (CAM)
- Enterprise resource planning (ERP) – SAP, Oracle, Microsoft Dynamics, Baan / Infor, Custom Build.
- Manufacturing Operations Management (MOM)
- Product Data Management (PDM)
- SCADA (Supervisory Control and Data Acquisition) real time process monitoring and control
- Human-machine interface (HMI) (or man-machine interface (MMI))
- Distributed control system (DCS)

IT SECURITY and CYBERSECURITY

OpenSSO, Sun Identity Management Solution, Firewall, IPSec, Intrusion Detection, Network Address Translation, Digital Signature (DocuSign), Public Key Infrastructure (PKI), Packet Filtering, SSL, Kerberos, Trusted Solaris, Identity Access Management, Endpoint Protection, Network Access Protection, Security information and event management (SIEM) – Splunk, Security Operation Centre (SOC) inception, implementation and operation.

AI (Acritical Intelligence) / ML (Machine Learning), RPA (Robotic Process Automation), BIG DATA and ANALYTICS

- Robot Framework, Node-Red
- Apache Kafka
- Big Data Analytics – Data Lakes, Data Warehouse, BI, Analytics – Greenplum, Oracle Exadata, Business Objects, MS Power BI.
- Database - Oracle, Informix, Cloudscape, Pointbase, Hypersonic, MySQL, Postgres and MongoDB.
- Data Driven UI / UX.

REFEREES

Ms Christina Foo

Ex KPJ Board Member

(Tel : +6-012-8871661)

Dato Sri Loo Chong Peng Ex Sun Microsystems MD (Tel : +6-012-2081388)

Ms Joanne Ho Microsoft (Tel : +65-90091118)