



## DANIAL HUI CHEE YAN

Senior Infrastructure Solutions Manager  
Standard Chartered Global Business Services Sdn Bhd  
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Experience > 19 years  
Education Western Michigan University, Bachelor of Business Admin  
Computer Information System

*Thought Leader, Software Architect, Infrastructure Architect, AWS Practitioner, Opensource-Loving Developer who seeking for challenges to maximize learning in the ever-changing technologies world.*

### Area of Expertise - Hard Skills

Agile / DevOps / SDLC	Java EE / Spring Boot	Terraform / Packer / Vault	Elasticsearch
AWS / OpenStack	Angular / JavaScript	Micro Service / SOA	RDBMS / NoSQL
Openshift / Docker / k8s	Groovy / Python / Go	Linux / Shell Scripting	CI/CD

### Area of Expertise - Soft Skills

Leadership	Teamwork	Stakeholder Management	Project Management
Problem Solving	Team/Trust Building	Communication	Presentation

### Certification

- AWS Certified Solutions Architect – Associate
- Sun Certified Java Programmer

### Experience

Nov 2015 - Present

#### Senior Infrastructure Solutions Manager

Standard Chartered Global Business Services Sdn Bhd

#### Cloud Solutions Architect (April 2018 - Present)

- As **Cloud Solutions Architect**, working on designing, architecting, and develop the AIE (Application Instantiation Engine) platform service for application onboarding on both public and private cloud.
- Developing reference architecture, forming **DevOps** roadmap, cloud migration strategies, microservice migration plan, etc.
- Building agile culture into the domain by introducing tools and advocate the practise of agile operation and **DevOps**
- Integrate AIE with private cloud built on **Openstack** with **StatoScale**, by provisioning infra-as-code using reference architecture manifest file with **Terraform**
- Built and packaged Immutable Image using **Packer** for release into both dev and production cloud environment
- Setup and integrated **Vault** into AIE for secret management
- Built **Jenkins** pipeline step with **groovy** as interface of execution to AIE
- Migrate existing code in shell script and Java into **Golang**
- Developed API-First service using **Angular** and **Spring Boot** which served as the gateway for infra provisioning and application packaging.

#### Infrastructure Solutions Architect - Retail, Private Banking & Wealth Management (Feb 2018 – March 2018)

- Provide technical advisory, infrastructure design review for both new project implementation and existing infra upgrade.
- Responsible as Support Architect to review critical systems architecture quality and resiliency, capacity and systems readiness for rollout across multiple region in Asia and Middle East.
- Design review and initial implementation of **AppDynamics**.

**AVP, Wealth Management PSS / Senior Technology Support Manager - Retail, Private Banking & Wealth Management (Dec 2015 – Jan 2018)**

- Owner of **Change Management** process, ensuring process execution and initiate improvement, and reduce change related incident to the minimum.
- Running **Problem Management** process, providing expertise in technology, problem analysis, identified solutions/actions and ensure no breach of SLA.
- Setup and established KPI benchmark and app performance monitoring using **ELK**
- Implement runbook automation using **Rundeck, shell script** and **Python**.
- Establishing log monitoring and response/recovery process automation using **Splunk Enterprise** and **BMC Atrium Orchestrator**.

Dec 2010 – Nov 2015

**Senior Software Development Manager**

Xchanging Malaysia Sdn Bhd

**HIGHLIGHTS:**

- Convert Ministry of Education school management system from single tenant application to multi-tenant application, operating on VMs, that use by more than **10,000 schools** and **500,000 teachers**. Largest of its kind in Malaysia
- Built **CI/CD** with Jenkins Jira, Git, Sonar, etc, for initial implementation of **DevOps**, which reduce the time-to-deliver and increase the quality of code significantly.
- Managed software development team with the **highest retention rate** among peers.
- Promoted to **Senior Management Team** within 3 years

**AWARDS & RECOGNITIONS:**

- Nominated for **Recognising Excellence** 2013 award
- Top 3 **Most Valuable Employee** for 2013
- Selected for **Leadership for Purpose** programme
- Short listed as finalists for **Xchanging Innovative Ideas** 2013

**Senior Software Development Manager / Acting Head of Development (Dec 2012 – Nov 2015)**

- Hiring, managing, motivating and grow development team of 35 developers and architects. In co-junction, managing PHP and Data Warehouse team with total team size of 70+ people while serving as **Acting Head of Development**.
- Programme managing, design, plan and implement **DevOps** initiative into the organization structurally and culturally
- Design and architect scalable and robust applications in the large-scale environment by migrating to **microservice** from monolith.
- **Optimized SQL** queries and **tuning/sharding MYSQL cluster** to support high concurrency database operation uses by **500,000 teachers**
- Built and deployed **NoSQL** technologies of **Cassandra, Hadoop** and **Elasticsearch** into production, which served as the reference implementation.
- Owner and gatekeeper of the **SOA middleware** system and migrate majority of the services to **Apache Camel** to reduce vendor product dependency.
- Planning for technology strategies and roadmaps.
- Recruit, manage, engage and cultivate quality members in the team for their maximum growth to meet the business needs.

**Software Infrastructure Manager (Dec 2010– Dec 2012)**

- Planning for infrastructure strategies, roadmaps and future blueprints to attain infrastructure-as-code.
- Layout and setup the platform foundation of infrastructure service including **RedHat Application Server, MySQL, Oracle10g, Apache HTTP, RedHat SOA Middleware**, etc.
- Design, review and implement the virtualization strategy with **RedHat Virtualization**.

- Setup **monitoring team** from scratch; implement monitoring with **Nagios** and **Cacti** to capture and baseline relevant metrics, run book, operational procedures within 3 months

2005 - Nov 2010

### **IT Manager / Director of Technology**

MPGate Sdn Bhd

#### **HIGHLIGHTS:**

- Rolled out terminals deployed approximately 700 terminals installed in 8 months throughout Malaysia
- Built functional KardMedic, hybrid credit card, use of medical eligibility, registration and transactional, with integration with Maybank credit card processing system.

#### **ROLES & RESPONSIBILITIES:**

- Programme manage all phases of projects and overseeing both business and technical aspects of delivery, software development, including architecture design, coding standard, documentation and testing.
- Pursuing new business opportunity of KardMedic for Thailand by presenting sales and demo to various financial institutions, such as Mastercard, Hypercom, Kasikorn Bank, etc.
- Develop and execute the company's IT strategies in order to attain the goals of the business
- Provide strategic advice to the board and Managing Director so that they will have accurate view of the technology and impact to the company's future
- Managing P/L and financial budgeting of company's IT.
- Build, cultivate, motivate, delegate responsibilities and supervise the IT team to drive maximum performance
- Analyze problematic situations and provide solutions to ensure company survival and growth

2004 - 2005

### **Senior Business Technologist**

Firium Solutions (M) Sdn Bhd

- Project managing in delivery milestone, resource planning, problem solving and monitoring project critical paths are not overshoot the timeline
- Leading in technical designs of database structure, system framework and team morale
- Managing development team of 12 programmers.
- Stakeholder management, such as negotiate reasonable project contents delivery and timeline with client's decision makers, such as UOB CTO and UOB Trustee CEO.
- **Projects:** UOB Trustee System, Unit Trust Backoffice System (Hong Leong Bank), DIGI Flexi E-load
- **Technologies:** Redhat Linux, Oracle 9i, SunOne Appserver 7, SunOne Webserver 6.1, WebLogic 7, J2EE, HTML, JSP, JavaScript, Servlet

Jan 2001 - Jan 2003

### **IT Executive**

MediScreen Sdn Bhd

- maintain and develop MediScreen's Managed Care System and to design and manage the software development delivery, service, support and train clients
- Delivered on time for all projects under very time frame
- Design and implement the new system using OOP principle and normalized the old database into more efficient structure.
- Review and revised the requirement gathering, specification, and design of the existing system.
- **Technologies:** Visual Foxpro, Foxpro 2.6, Win NT, HTML, Apache

Jan 2003 - Jan 2004

### Software Engineer

LeadingSide (M) Sdn Bhd

- Design, develop and manage of software development cycle
- Debug, maintenance, support and change requests of the Knowledge and Document Management portal for AG (Attorney General) office. The portal storing legal documents in electronic form, provide search function like luence and functions such as meeting, community, inventory management, leave application, etc.
- Setup, debug, maintenance and support of the Knowledge Management Portal, the system of R&D, thesis publishing, e-collaboration, meeting, and lecturer performance evaluation.
- **Technologies:** Win2k, HP-UNIX, SQL Server, WebLogic, Apache, J2EE, HTML, JSP, JavaScript, Servlet, Java, ActiveX

Dec 2000 - May 2001

### IT Consultant

Nuvolution St. Paul, MN USA

- To consultation on design and development of systems for 3M, for project **MES (Manufacturing and Execution System) Java Migration** which migrating logic in Stored Procedures to Java Classes.
- Designed and developed Java virtual server that verified the BOM (Bill of Materials), Inventory and Queue Scheduling
- **Technologies:** Visual Age for Java, Sybase, SQL Server, HPUNIX, HP3000 and NT, J2EE, Swing, Perl, SQL, UML. OOP.

Jan 2000 - Nov 2000

### Software Engineer

Kairos Damango, Inc. Minneapolis, MN USA

- Product Owner for **Virtual Desktop in ASP (Application Service Provider) Enabler Platform**
- Built common libraries of functionalities for session persistence, transaction encryption, user preferences persistent.
- Developed **Addressbook**, pure java Swing application where data is store in XML
- Developed **XML persistent API**
- Ported Mindterm's **Transaction Encryption** code base to work in our framework.
- Developed **Transaction Relay Engine** that capture transactions perform by user and route it to the appropriate server
- **Technologies:** Linux, Solaris, Mac, Win 9x, NT, XML, XSL, JSSE, HTTP, JSP, Servlet

Jan 1999 - Dec 1999

### System Programmer

Ciber, Inc. Rochester, MN USA

- Provided consultation of design and development using **JavaEE 1.2** for IBM for project **DEV2000 VM Migration release 1.7 & 1.75**
- Developed **PTF Build Scheduler Server** that is responsible to verify dependencies and authentication for optimized build schedule. Build orchestration with multiple remote call with **Java RMI** to multiple endpoints under real-time and multi-threading environment.
- **Technologies:** Visual Age for Java, AS400, DB2, AIX, HPUNIX, NT and IBM S/390, J2EE, Swing, Perl, DB2 SQL, JAVA RMI, and Websphere

### Hobbies

- Basketball, Jogging, Traveling, Snorkelling and Reading