



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

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Solutions Architect - Cloud Infrastructure (April 2018 - Present)

- 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.
- Implements KPI benchmark, app performance monitoring and analysis using **Elasticsearch, Logstash & Kibana**
- Implements 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
- Built performance monitoring & analysis tool using **Elasticsearch, Logstash & Kibana**
- 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 captured and baselined 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 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 Lucene -like search and collaboration 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