

# Development Bank of Singapore (DAH2)

## Assistant Vice President - Apr 2019 to Jun 2021

As a member of the Technology Group for Treasury & Markets, my primary job involves solving business problems through innovation & best engineering practices. My role is to apply my depth of knowledge and expertise to all aspects of the software development lifecycle and need to partner continuously with many stakeholders to stay focused on our common goals.

My typical Role & Responsibilities cuts across various projects are as follows.

- Remain hands-on developing software and create rapid prototypes to vet new design, interaction, and integration concepts.
- Participate in the **discovery phase** and translate requirements into technical solutions.
- Design & implement auto-scaling, self-healing, resiliency patterns, and fully automated software and application upgrades, change management and release management solution for continuous integration and delivery with **World Class Engineering Practices**
  - Meet Enterprise SRE maturity (including chaos engineering)
  - Improve TTM (Optimize Build)
  - Data-driven
    - Biz Instrumentation on customer-facing application
    - Performance measurement <1s at 99%ile including biz instrumentation metrics
  - Increase observability through telemetry
  - Cloud-Native Enablement
  - Assess application development maturity using 12-factor
  - Security
    - All applications to be 100% security scanned
    - ZERO Critical, High, and Medium Issues (Sonar, Fortify & NexusIQ scans) in Product Vulnerability Report (PVR)
- Deliver platform-specific business initiatives and engage with the development team throughout the life cycle to help develop software for reliability and scale - ensuring minimal refactoring or changes.
  - Flawless delivery, meeting deadlines with ZERO SL1 & SL2 production defects
  - ZERO Audit issues and ZERO protected data breaches from the team
  - Discuss the prioritization with Users on the requirements as per the value add it brings to Business / Ops / Regulatory
  - Assess the impact of the requirements within the module and for different components of the application and upstream/downstream systems
  - Co-Design the solution for the requirements along with the BA/PO.
  - Manage multiple projects, track timelines, manage risks and effectively report progress to

respective stakeholders.

- **Talent Management and Learning**

- Recruit and retain top engineers & developers who've had FinTech experience for projects within DBS for our BU
- Contributing to innovative ideas that could be patented for DBS with POC done and benefits outlined
- All mandatory training "on-time" completion for perm and vendor staff - includes Code of conduct and infosec refresher course
- Learn & Share sessions on any of the technology topics

## Key Accomplishments

- **HyP: T&M Hyper-Personalization**

**HyP** will enable T&M to conduct pricing initiatives and experiments in an efficient manner to differentiate pricing among customers to achieve optimal pricing for each client.

- Java 8, Spring Stack, ElasticSearch, MariaDB, Kibana, Openshift, and Micro UI widgets using Polymer & LitElements & HTML5 Web Components with Polymer

- **SWB: Sales Workbench**

SWB is an application mainly used by T&M Sales Dealers and T&M Biz Management Support (BMS) to view their consolidated transaction details and revenue figures.

- Java 8, Spring Stack, MS-SQL Server, Apache PrestoSQL, QlikView, ElasticSearch, MariaDB, Kibana, Openshift, and Micro UI widgets using Polymer & LitElements & HTML5 Web Components

- **FIXP: Fixed Income Origination Platform**

**FIXP** enables smooth execution of these deals in a transparent workflow system and also provides a lot of data visualization which provides insight to the trends, projections and agent's performance.

- Java 8, Amazon AWS – S3, Lambda, DynamoDB, and API Gateway and React JS

- **Ops Recon**

**OpsRecon** is a Reconciliation Platform that does reconciliation of various T&M operations at various frequencies. It is designed to run on hybrid clouds and handle 3Vs of data (Volume, Variety, and Velocity). Reconciliation can be of batch / real-time / near real-time.

- Java 8, Apache Ignite, StreamSets, Apache Camel, Confluent Kafka, MongoDB, Spring Boot, and Re-Dash, AngularJS 6, Openshift, Jenkins