

Jason Milkins

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## EXECUTIVE SUMMARY

I have over a decade of experience in hands-on software engineering across web & mobile apps, systems architecture, and DevOps using leading technologies, platforms, frameworks, and languages, and well as and engineering management & leadership in corporates and startups.

My experience covers a wide range of industries including financial services, real estate, gaming, pharmaceuticals, travel, automotive, industrials, energy, media & entertainment, and public sector.

I am an advocate of high quality, well tested, maintainable software using extreme programming and similar techniques, balancing developer productivity, feedback and product delivery success.

I continuously enhance my skills and improve my practices to help people, teams and organisations achieve their software application, development practice and product delivery goals.

When not working, I spend my free time with my wife and daughter, and pursuing my hobbies of cooking, making music, and art (but also enjoy coding in my spare time for the fun of it).

## SKILLS

### Software Engineering

- Full-stack software application development Mobile (iOS/Android), Web, and Desktop
- TDD+BDD, refactoring, test driven workflow / test first design
- OOP / Design Patterns / SOLID
- Incremental design/modular clean architecture/adaptive architecture
- Pivotal Cloud Foundry, PivotalTracker
- Pair programming
- DevOps - CI/CD (Continuous integration/Continuous delivery), Kubernetes, Docker, Chef/Puppet, Ansible, Jenkins, Bamboo, Jira, etc.
- API Design, GraphQL, RESTful, gRPC, ProtoBuf, JSON-RPC, SOAP & XML-RPC,
- Architecture/Microservices, Service Oriented, CQRS, and event driven systems,

### Languages

- Swift 3,4 & 5, Objective C iOS
- Kotlin, Java (Spring/ SpringBoot / Spring Cloud/ Netflix Eureka), Android/Android Wear
- JavaScript, TypeScript, React, Angular, VueJs, Node
- Python 3
- C#/.Net
- Rust

- Lisp, Clojure
- €
- Ruby/Rails/Crystal

#### Product Management

- Communication & team building
- LEAN Product development & management
- Rapid organisational navigation & communication
- Process management & improvement

## **WORK SUMMARY**

### **Freelance Open Source Contributor, Thailand 2021 - Present**

I am working on commercial and open source projects as a freelance software engineer / original contributor.

### **Developer Lead, Accenture Bangkok, Thailand - 2021**

My key role with Accenture is to drive the transformation of multiple software platforms and projects to the adoption of improved working and delivery practices. I worked closely with the software development and defect response teams. 100% Remote.

### **Head of Engineering, Prudential Assurance, Singapore – 2018-2020**

Led the drive to digitally transform the engineering organization for a leading insurance firm to adopt modern development & software testing techniques, technology platforms, and delivery practices. Directly responsible for all DevSecOps, Data, AI, Machine Learning, and Architecture initiatives including key projects for omni-channel customer and distribution digital experience systems, data analytics, site reliability engineering, and DevOps & left-shifted security.

Restructured the 80+ engineering staff to be direct reports of their team's Platform/Application Owners and built the internal community to encourage empathic engineering leadership and increase team collaboration along Prudential's strategic leadership & people culture.

Initially joined as Principal Engineer and was quickly promoted to Head of Engineering, a VP level position in the organization.

### **Staff Software Engineer, Pivotal, Singapore – 2015-2018**

Hands-on software developer and engineering practices consultant for blue-chip clients including airlines, telecom, e-commerce, energy, finance, banking, and automotive, leading client teams to adopt extreme programming and modern product development techniques through daily pair programming sessions and guidance on software product development, design and delivery.

Assisted project delivery by implementing CI/CD, monitoring, TDD/BDD (unit, integration, end to end testing), and release management. Also facilitated development / architectural decisions, daily standups, iteration planning, and retrospective meetings for our project teams.

Demonstrated team leadership in my role by training, mentoring, and enabling the professional development of client engineers and my colleagues in Pivotal.

### **CTO, OpsManager, Singapore – 2013-2015**

Led engineering for OpsManager, a tech startup that developed the first offline SPA app to manage logistics, operations, and inventory for drilling sites, fields, and warehouses.

Managed the daily running of the team as well as being a hands-on contributor to the codebase, ensuring the development and on-time delivery of the company's software product. Also led all technical sales and support with early customers.

Recruited and built out a team of six engineers following extreme programming (XP) techniques and oversaw the implementation of these practices across the team reinforcing skills and professional development of the engineering and product design team.

### **CODE SAMPLE**

While the bulk of my project work is under NDA, I have a several open source project. My most active product is a MacOS pasteboard helper, developed to improve developer productivity.

- <https://cutbox.ocodo.info>
- <https://github.com/CutBox/CutBox>
- <https://app.codaey.com/gh/cutbox/CutBox/dashboard>