Peijun Ma

peijun.ma@pm.me | (647) 809-5248 | https://www.linkedin.com/in/peijun-ma/ | https://peijun.dev

Skills

Proficient: Go, Clojure, Scala, Python, TypeScript, Bash, Terraform, Docker, Kubernetes, Google Cloud Platform, AWS, CircleCI
Familiar: Haskell, Rust, Vue.js, C#, C, React, Next.js

Experience

CircleCI   June 2021 – December 2022
Software Engineer

- Improved API coherency and tolerance of external faults by designing and implementing an **anti-corruption layer**
- Reduced observability costs by **25%** while preserving ability to diagnose issues by auditing and consolidating usage of spans
- Increased customer engagement for self-hosted runner product by designing runner APIs and UIs
- Improved reliability for **80%** of customer jobs by designing and implementing the deprecation of legacy services
- Reduced storage costs by **50%** by designing and implementing customer configurable storage retentions
- Improved software delivery confidence by designing comprehensive **end-to-end testing** framework

Garner Distributed Workflow   November 2018 – April 2021
Software Engineer

- Improved software delivery speed and consistency by implementing the **GitOps** process using **ArgoCD**
- Increased horizontal scalability of the production system by 30% by migrating the system to **Kubernetes**
- Granted the ability to improve the production infrastructure to the dev team by developing infrastructure as code project using **Terraform**
- Optimized the performance of graph DB queries by 2000x by reducing the runtime complexity of result parsing from $\mathcal{O}(n^3)$ to $\mathcal{O}(n \log n)$
- Improved the maintainability of the codebase by championing **functional programming** with weekly study sessions
- Reduced CI costs by **60%** by migrating from Jenkins to Google Cloud Build

Education

University of Toronto   September 2016 – June 2021
Honours Bachelor of Science, **Computer Science Specialist**