Peijun Ma

peijun.ma@pm.me | (902)-719-8619 | https://www.linkedin.com/in/peijun-ma/ | https://peijun.dev

Experience

Garner Distributed Workflow   November 2018 – Present
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

Skills

Proficient: Scala, Python, Docker, Terraform, Google Cloud Platform, Linux, Kubernetes, TypeScript, Angular, Java, Jenkins
Familiar: Haskell, Rust, Vus.js, C#, AWS, C

Projects

Office hour scheduler   Open Source project

`https://github.com/office-hour-scheduler/ohs`

- Collaborated with several other developers to build a webapp for scheduling office hours with professors
- Designed the backend using **domain-driven** design principles
- Implemented the backend API using **GraphQL**
- Built the artifact as a Docker image in CI

Chat bot   Open Source project

`https://github.com/MaT1g3R/YasenBaka`

- Created a chat bot serving 1000+ chat rooms at its peak
- Explored asynchronous programming using the **asyncio** library
- Deployed the application using Docker to **AWS**

Education

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