Zi He Goh

Software engineer at Tokka Labs, working on trading systems for private market making in crypto Defi.

Zi He Goh | [LinkedIn](#) | [Github](#) | (65) 9236 5562

Skills

- **Programming Languages**: Bash, C, C++, C#, Java, Python, Typescript
- **Tools**: Cloud, CMake, Docker, FastAPI, Flask, gRPC, Linux, Node.js, Nginx, Prometheus, RabbitMQ
- **Databases**: MongoDB, MySQL, PostgreSQL, Redis

Experience

Tokka Labs

Senior Software Engineer   Jun 2022 - Present

- Worked with request for quotation (RFQ) backend systems for private market making (PMM) team to meet daily profit targets and ensure systems run reliably.
- Implemented rule-based rate limiting on the backend API services to reduce junk requests, lowering overall system latency.
- Improved the process of listing tokens from one day of manual configurations down to about 30 minutes with automation scripts. Gathered requirements and furnished documentation for future support.
- Created bitbucket and helm for CI/CD deployments of projects onto Amazon Web Services (AWS) cloud, managed using Kubernetes (k8s).
- Created a web3 monitoring tool to parse and record trading fees per transactions into a database for the quant traders to analyze.

Fortinet

Software Development Engineer   Jun 2021 - Jun 2022

- Worked with product managers to plan and develop new features.
- R&D on ways to improve detection of false positives and negatives cases of our products.
- Developed new features for microservices written in Go, and deployment is done to the Google Cloud Platform.

BT Singapore

Security Consultant   Jun 2019 - Jun 2021

- Coordinated with multiple stakeholders to manage and migrate four major platforms with thousands of accounts onto a new privilege access management software.
- Created a proof-of-concept fingerprint biometric application in C# to showcase to customers in three days.
- Developed, tested and deployed a C# windows security application on our customer's network.
- Migration work for legacy Java Tomcat web applications from Java 6 to Java 11.

DBS Bank

SEED Program Graduate   Aug 2018 - May 2019

- Worked with relationship managers to gather requirements and translate requirements to the team.
- Implemented new flows into existing online account opening systems written in Java and Spring Boot.
- Worked with developers to raise change requests and deploy to production environments.

Acronis

R&D Intern   Mar 2018 - Jul 2018

- Worked with product managers and other dev teams to get requirements.
- Worked on bug Fixes and researched on improving detection features with existing C++ 11 codebase.
- Created unit test with googletest, and wrote automated testing suite with Python.
- Researched extensively on malicious software behavior to enhance protection features.

NExT++ Research Center

R&D Intern   Aug 2017 - Feb 2018

- Implemented RESTful API server using Python Flask for video annotation to set up an Nginx server for deploying a web application in the cloud.
- Cleansed data and built a machine learning project using SciKit-Learn.
- Fixed bug and launched feature in AngularJS.

Education

Singapore Institute of Technology - DigiPen Institute of Technology

B.S. in Computer Science in Real-time Interactive Simulation   Sep 2014 - Apr 2018