Samuel Thien

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SKILLS

Languages: English, Chinese, Malay
Programming Languages: Golang, JavaScript, TypeScript, Java, PHP, Python, C++
Web/App Development: React, React Native, Flutter, HTML/CSS
Database: MySQL, Redis, ElasticSearch, MongoDB, PostgreSQL
DevOps: Docker, Kubernetes, Linux System Administration, Terraform, AWS, Azure, GCP, GitHub Actions

WORK EXPERIENCE

MERCEDES BENZ | FULLSTACK ENGINEER
Kuala Lumpur, Malaysia | August 2024 – Present

- Part of the Mercedes Cloud Security team.
- Develop services using **Golang**, **VueJS**, **MongoDB**, **Docker**, and **Kubernetes**, ensuring services are secure and reliable.
- Work on multiple security platforms, including the Security Information Service, Identity and Access Management Service, and DNS Management Service.

OLA CHAT | SOFTWARE ENGINEER (BACKEND)
Kuala Lumpur, Malaysia | April 2024 – August 2024

- Develop high-performance microservices using **Golang** and **PHP**, for a popular audio streaming platform.
- Leveraged a wide range of technologies, including **MySQL**, **Redis**, **Elasticsearch**, **RPC**, **NSQ**, **Kafka**, and **Grafana**, to optimize daily tasks and project outcomes.

LIFE LINE LAB | SOFTWARE ENGINEER (FULL STACK)
Kuala Lumpur, Malaysia | August 2021 – April 2024

- Developed multiple platforms from scratch, including a marketplace platform, a logistics management platform, and a healthcare-related platform.
- Implement, deploy and monitor multiple **NodeJS** and **Golang** microservices.
- Implement websites and mobile apps using **React** and **React Native**.
- Setup, deploy and monitor **CI/CD** pipeline and **cron jobs**.
- Manage **ArangoDB** database. Manage DB initialization and backup.
- Implemented **Attribute-based Access Control (ABAC)** structure, to enable fine-grained data access control.

EDUCATION

BEng. Computer Science and Technology   Beijing, China | Sept 2018 - Jun 2022
BEIHANG UNIVERSITY(BUAA)

- Excellent International Graduate
- GPA: 3.5/4.0
- Self-Supported Foreign Students Scholarship of Beihang University   2018 - 2022
- Beihang University Foreign Students Scholarship of Excellent Study   2019, 2020, 2021

PROJECTS

MINI MIPS CPU ⬀   MIPS, VERILOG HDL
A simple MIPS CPU with a five-stage execution instruction pipeline, supports basic MIPS instructions set.

C-LIKE LANGUAGE COMPILER ⬀   C++, MIPS
A compiler that translates C-like programming language into MIPS machine code, which can be executed by MIPS CPU.

SCHEDULE HERO ⬀   REACT, HTML/CSS, RESTFUL API, EXPRESS, NODEJS, MONGODB
A personal schedule management system(web application) providing separate interfaces for user and administrator.
Try it out at `https://web-schedulehero.onrender.com`