Shaoxian (Solaris) He

Full-stack Software Engineer

⌂ Portfolio
https://solaris-he.github.io

CONTACT

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GitHub <>

EDUCATION

Bachelor of Science
(Computer Science)
The University of New South Wales
(UNSW)
2019 - 2022

First class honour
WAM: 85.94

Featured Courses:
Computer Vision
Operating Systems
Advanced C++ Programming
Object-oriented (OO) Programming
Digital Circuits and Systems (FPGA)

LANGUAGES

English
Mandarin
Cantonese

INTERESTS

Drone
2D/3D Digital Art
Virtual Reality (VR)
Custom PC Building
Game Development
Emergent Hardware

REFERENCES

Available upon request

BIO

A **full-stack software engineer** who
- endeavours to develop robust and performant solutions.
- enjoys implementing intuitive and aesthetic interfaces.
- seeks opportunities to learn more about AI and VR.
- always passionated and urges to learn and explore.

Flexible to any tech stack or work environment.

EXPERIENCE

Full-stack Engineer - *Buka Australia Pty Ltd*

JAN 2023 - JUL 2023
- Contributed in building gRPC and RESTful APIs with Golang and Nuxt.js by grooming and implementing tickets worth more than 100+ story points.
- Streamlined the admin workflow with a CronJob execution, which boosted efficiency by reducing on-call tickets by 20%.
- Setup 5+ Datadog alerts for monitoring production status (error rate, circuit-breaker trigger, loan rejection rate etc.).
- Resolved circuit-breaker logic error that cause false-negative.
- Applied agile software development best practice.

Tech Stacks: Golang, Typescript (Nuxt.js), Tailwind CSS, Jest, PostgreSQL, Docker, Kubernetes, Gitlab CI/CD, GCP, Datadog, Terraform, Figma, Ubuntu.

PROJECTS

Backend Engineer - *Australia Career Forum*

JAN 2024 - PRESENT
A community driven project designed to help Mandarin-speaking professionals succeed in Australia. Link: https://australiacareerforum.com/
- Developed RESTful APIs in ASP.Net with unit and integration tests.
- Contributed in external API/SDK integration, including Stripe, AWS SES, Discord and template engine.
- Refactored DbContext into repository layer to promote DRY principle.
- Optimised makefile and dockerfile to automate setup process.

Tech Stacks: C# (ASP.Net), Moq, MySql, Docker.
(More projects can be seen in my portfolio page.)

TECHNICAL SKILLS

Proficient:
C# (ASP.Net), Golang, Typescript/Javascript (Nuxt.js), HTML5, Tailwind CSS

Familiar:
Frontend: React.js, Vue.js, CSS, Material UI
Backend: Python (FastAPI, Flask), C, C++, Java, PostgreSQL, MySQL
DevOps: GitHub, GitLab CI/CD, Docker
Design: Figma, Adobe Creative Cloud
Tools: Git, VSCode, Visual Studio, Vim, Postman
OS: Linux (Debian based), MacOS

Basic Knowledge:
GCP, AWS, Kubernetes, ArgoCD, Terraform