

BIO

Software engineer with over 1 year of commercial experience in full-stack development, endeavouring to develop robust and performant solutions. Proficient in E2E web application design and development. Having strong team collaboration skills and a commitment to excellence, and flexible to different tech stacks and work environments.

EDUCATION

Bachelor of Science (Computer Science)

2019 - 2022

The University of New South Wales (UNSW)

First class honour (WAM: 85.94)

Featured high distinction courses:

- Advanced C++ Programming
- Algorithms and Programming Techniques
- Operating Systems
- Object-oriented Design and Programming (OOP)
- Data Structures and Algorithms
- Database System

WORK EXPERIENCE

Backend Engineer

JAN 2024 - PRESENT

Australia Career Forum (ACF) - <https://australiacareerforum.com/>

- Involved in complete Software Development Life Cycle including system analysis, design and development.
- Contributed in external API/SDK integration, including Stripe, AWS SES, Discord and email template engine.
- Extensive experience of Xunit and Moq testing framework to provide full test coverage for code correctness.
- Managed production deployment on AWS EC2 cloud service, and setup resource monitor and alerts on Slack.
- Optimised makefile and dockerfile to create an automated one-click Linux dev environment setup process.

Tech stacks: C#, ASP.Net, Entity Framework Core, Xunit, Moq, Mysql, GraphQL, Docker, Jenkins, GitHub, AWS.

Full Stack Software Engineer

JAN 2023 - AUG 2023

Buka Australia Pty Ltd (Bukalapak) - <https://about.bukalapak.com/en/about-us/>

- Contributed in building gRPC and RESTful APIs by implementing tickets with more than 100 story points.
- Setup over 50 automated integration test with Jest test framework for both front-end and back-end services.
- Design and implemented a K8s Cronjob execution to run routine loan data integrity check.
- Troubleshooted loan circuit-breaker false-negative error and revised original design.
- Rescaled the GCP services with infrastructure as code (Terraform), which reduced running cost by around 33%.

Tech stacks: Golang, GoMock, PostgreSQL, Jest, TypeScript(Nuxt.js), HTML, Tailwind CSS, Docker, Kubernetes, Helm Charts, GCP, OAuth 2.0, Figma, Datadog, Gitlab CI/CD, Ubuntu.

PROJECTS

Movie Geeks - Web Application

*University capstone project*Github repository: <https://github.com/solaris-he/capstone-project-3900-f14a-moviegeeks-public>

- Fully owned End-To-End SDLC from user stories analysis to system deployment and maintenance.
- Contributed in both front-end and back-end services including user profile management and movie recommendation.
- Designed 3NF form relational database schema to minimise redundancy, and setup SQL Server on GCP.
- Integrated Google Firebase into the application to leverage easy and secure user account management.

Tech stacks: Python, FastAPI, Sqlite3, Javascript, React.js, HTML, CSS, Google Cloud Platform, Google Firebase,

TECHNICAL SKILLS

Front-end

Next.js (React.js)

Nuxt.js (Vue.js)

TypeScript

JavaScript

HTML

Tailwind CSS

Back-end

C# (ASP.Net)

Golang

Python (FastAPI)

C++

MySQL

PostgreSQL

DevOps

GitHub

Gitlab CI/CD

Docker

Kubernetes

AWS EC2

GCP

2D/3D Graphic

Figma

Adobe Photoshop

Adobe Premiere Pro

Blender

Autodesk Maya

Zbrush

OS & Tools

Linux (Debian-based)

Linux (RedHat-based)

Windows

Visual Studio

VsCode

Vim

REFERENCE

Available upon request.