

ALVIN ZHAO

A polyglot software developer with a DevSecOps and growth mindset, I love building things and learning how to build things better!

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Experienced with C#, TypeScript, Haskell, GoLang, Shell scripting, Buildkite, Gh Actions, Docker, AWS, Kubernetes, just to name a few!

EXPERIENCE

- **Protege Developer**

MYOB (2021 - current)

I participate in many of the internal developer communities, organising brown bags, spending a few hours per week mentoring junior developers and improving the future maker program.

Below are projects I am directly involved in:

- **MYOB Essentials & AccountRight**

Working on the inventory management system of MYOB flagship products, React frontend, C# backend.

- **MYOB Developer Portal**

Worked on a greenfields project to improve the 3rd party developer onboarding with MYOB APIs, developing the frontend with React + Typescript, backend in Haskell, DevOps with Buildkite, Docker, and AWS Cloudformation in Dhall.

- **MYOB Tech Radar**

Participated in a working group with the Head of Architecture to enhance our internal tech radar that all teams use, developing new features with NodeJS, Webpack, Markdown, Azure AD.

- **Health Check API**

Migrated an important legacy API from .netcoreapp2.1 to .net5, writing regression tests along the way, in order to fix a CA certificate issue. Improved observability with Prometheus, Grafana, k8s alerts, as well as integrating with SumoLogic, to try to prevent the problem from happening again.

- **Markdown Books**

I lead a project to improve internal developer documentation, making it more accessible and readable, following a docs-as-code philosophy, leveraging the mdbook tool. I used this project to encourage proteges to collaborate on a project together, teaching fundamental git skills.

- **Future Maker Dashboard**

Worked on a team to enhance the internal future maker dashboard. Implemented a CICD pipeline with Buildkite, creating dev and prod environments in Jupiter, continued migration of our API from Java to C#, and fixed bugs on the React frontend.

- **Open Source Contributor**

- **Exercism**

Active mentor and maintainer in the C# track, as well as mentor on the TypeScript and Scala track. I have mentored over 200 students, and contributed to over 40 exercises.

- **Scrumblr Enhancement**

Part of working group adding persistent storage to kanban board with AWS infrastructure

- **Delta-Icons**

Design and contribute icons to this minimalist Android icon pack

- **Monkey Type**

Added burst speed feature to this online typing platform

- **Personal Projects**

- My personal website I constantly use to try out different web technologies.

- Codewars solutions scraper, built with Colly in GoLang.

- Nestle alternative product finder, built with React