
Work Experience

- **Plenti (Previously RateSetter)**

Full Stack Software Engineer

Sydney, Australia

Sep. 2020 – Present

- Part of the auto team, worked on a variety of backend (C#) and frontend (TypeScript, React) tasks but mainly focused on backend tasks
- Wrote the main backend workflow for commercial auto journeys using a new architecture, resulting in \$45M of new lending
- Led the development of a new settlement process for dealership integration which allowed customers to confirm loan details before vehicle delivery date and reduced overhead for settlement team
- Improved broker configuration management by adding reusable configuration fragments which significantly simplified routine tasks such as rates update
- Part of support rotation, being on-call and responsible for monitoring the health of the platform, dealing with event consumer failures, writing SQL scripts to fix common issues, fixing bugs and helping with production incidents

- **Integrated Research Ltd.**

DevOps Engineer

Sydney, Australia

Dec. 2019 – Sep. 2020

- Supported the deployment and monitoring of a new unified communication analytics platform based on AWS serverless technologies
- Collaborated with development teams to maintain and improve the deployment process, including Jenkins build scripts, Terraform configurations and version/tag/branch management strategies
- Implemented a new structured logging system (Python/TypeScript) to improve log analysis using correlation ID tracking and centralised log management
- Built a unified cost estimation and monitoring dashboard for AWS and other third-party resources

Software Engineer

Jan. 2018 – Nov.2019

- Worked in teams that focused on feature development and build improvements for IR Prognosis, the on-premise payment and unified communication monitoring software
- As part of the build team, replaced the legacy build system based on Perl scripts with modern CMake which significantly reduced build time (10 hours to 1 hour) and made it much easier to setup local dev environment
- Added support for new versions of Cisco and AudioCodes unified communication systems, including adding new metrics (C++) and call quality visualisation (C#/JavaScript/CSS), configuring lab environments and executing test plans

Skills

- **Proficient**
 - C#, TypeScript, React, Redux, C++
- **Familiar**
 - Event Sourcing, DDD, Angular, Python, Java, Rust, Haskell

Certification

- **AWS Certified Solutions Architect - Associate** Feb. 2020

Education

- **Australian National University** Canberra, Australia
Master of Computing Feb. 2016 – Nov. 2017
 - GPA: 6.25/7.0
 - Specialisation: Artificial Intelligence
- **Sun Yat-sen University** Guangzhou, China
Bachelor of Science in Computer Science and Technology Sep. 2011 – Jul. 2015
 - GPA: 3.7/4.0