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## Work Experience

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- **Plenti**

*Full Stack Software Engineer*

Sydney, Australia  
*Sep. 2020 – Present*

- As part of the auto team, worked on a variety of backend (C#) and frontend (TypeScript, React) 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

- **IR**

*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 set up 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

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## Skills

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- **Proficient**

- C#, TypeScript, React, C++

- **Familiar**

- Event Sourcing, DDD, Angular, Python, Java, Rust, Haskell

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## Certification

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- **AWS Certified Solutions Architect - Associate**

Feb. 2020

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## Education

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- **Australian National University**

- *Master of Computing*

- GPA: 6.25/7.0

- Specialisation: Artificial Intelligence

Canberra, Australia

*Feb. 2016 – Nov. 2017*

- **Sun Yat-sen University**

- *Bachelor of Science in Computer Science and Technology*

- GPA: 3.7/4.0

Guangzhou, China

*Sep. 2011 – Jul. 2015*