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## Work Experience

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- **Plenti** Sydney, Australia  
*Full Stack Software Engineer* *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** Sydney, Australia  
*DevOps Engineer* *Dec. 2019 – Sep. 2020*
  - Supported the deployment and monitoring of a new unified communication analytics platform based on AWS serverless technologies
  - 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), 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** 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