

Christopher Day

Software Engineer

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EDUCATION

University of Queensland

Bachelors of Electrical &
Computer Engineering
(Honours)
2015-2019

SKILLS

- Front End
Javascript/Typescript
(React, Node.js, AngularJS, Mustache)
- Back End (Java, JS, C, Python)
- Databases (SnowSQL, Postgresql, Dynamodb)
- AWS (Cognito, S3, Lambdas, EC2, Cloudfront, Cloudwatch, RDS)
- Monitoring (NewRelic, Sumologic)
- Web Development
(Html/Css/Javascript)
- Reporting (Tableau)
- Postman, LaunchDarkly
- Git, JIRA, Confluence, Bitbucket, Salesforce
- Microservice development
- Financial reporting
- Agile development cycle, communicating with BAs, story point estimation
- Microcontrollers
(C/ARM/LoRaWAN)
- Unit testing

Personal Summary:

Self-motivated software engineer with a passion for optimisation. Experienced in translating business needs into designs and designs into outputs.

WORK EXPERIENCE

TfNSW - Transport Connect | Software Engineer

August 2021 - Present

- Discovered and fixed an issue in Park&Ride that saved customers thousands of dollars
- Redesigned and upgraded internal AngularJS website
- Identified and fixed bugs in microservices
- Refactored & upgraded the ReactJS TC developer portal with new UI elements as well as developer guides & api lists.
- Added features to ReactJS, AngularJS & NodeJS projects.
- Streamlined support processes & created documentation for 3rd level support
- Designed tableau & sumologic reports for executive reports.
- Trained junior developers & 3rd level support in SQL & javascript
- Created financial reports monitoring the flow of funds through the system

TfNSW, Sydney | Graduate Engineer Rotations

Jan 2020 - August 2021

- Created a monitoring solution that reduces maintenance time on a recurring fault on platform 23 by 2 hours. The firmware/logging solution is now being rolled out across the network
- Reduced time per test case from 45 minutes to 5 minutes by automating the process of creating test cases for ETCS commissioning across the Sydney trains network

G.James Glass & Aluminium | Intern

Jan 2016 - December 2019

- Designed an automated window system to be sold by the company
- Fixed PCBs, rewired machines, wrote and read wiring diagrams

PROJECTS

LoraWAN Sensor Project

- Created a LoraWAN enabled CO₂ sensor for an automated farm

Oscilloscope Project

- Designed and built all the firmware for an oscilloscope using timers, DMA and detachable i2c filters