

Christopher Day

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Education

BE(Hons) in Computer & Electrical Engineering

University of Queensland, Brisbane (UQ)

Skills

Languages JavaScript/TypeScript, Python, SQL, C, HTML/CSS

Technologies React, NextJS, CMS (Drupal), Node.JS, AI & ML, ReactNative, AWS, GraphQL, PostgreSQL, Kubernetes, Docker, Angular, Deployments

Tools Git, Bitbucket, Agile, Confluence, Jira, Google Analytics, Figma, IoT sensors

Experience

Transport for NSW - *Software Engineer*

August 2022 – Present

Building & designing React applications and NodeJS microservices in an AWS environment

- Led optimisation effort which improved login load time by 3 seconds
- Upgraded drupal integration for headless content pages
- Developed GraphQL backend cursor pagination which greatly improved load times and improved database call efficiency by 50%
- Automated a new payment review process saving customers from erroneous \$1000 charges and decreasing ticket volume by 30%
- Built reusable UI components and custom hooks for user and activity pages in React
- Created a real time monitoring solution complete with alerts, incident management and tolerance thresholds
- Designed and built customisable fare free days for the Trip Planner fare calculation

Transport for NSW - *Junior Software Engineer*

August 2021 – August 2022

Expanding microservices, building internal websites and deploying fixes with JavaScript and SQL

- Redesigned and built user activities display, added granularity to search functionality and redesigned user pages for Angular site
- Created monitoring & alerting for financial data in Sumologic & NewRelic that integrates with OpsGenie, Slack and OTConnect

Transport for NSW - *Graduate Engineer*

January 2020 – August 2021

Automating test scenarios, creating IoT devices for logging faults on train lines

- Reduced test scenario creation time by 90% using VB script
- Reduced maintenance time on platform 23 on central station by 2 hours by creating a firmware logging box & python script

G.James Glass & Aluminum - *Engineering Intern*

January 2016 – December 2019

Creating IoT sensor projects, resoldering PCBs and fixing machines

References available upon request