Gian Johansen

Front-End Engineer

Senior front-end developer with 8 years experience in web application development and a particular interest in customer engagement and conversion in data-driven environments. Currently in a contract role at Qantas.

Available on request 📞

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Experience

2021-Present

Central Coast, NSW 📍

Qantas
Senior Front-End Engineer

Duration: *1 year, 4 months*

Built an internal data science engine reporting and analytics tool.

- Built an in-house web application replacement for the third party analytics tool that Qantas had been using. We pushed to get the mvp done before the vendor's contract renewal date, saving Qantas $6M.
- Worked with the data science team to provide a front-end to their airfare optimization algorithms so that non-technical analysts could investigate and tweak the data science engine's parameters.
- Migrated their legacy Angular 2 components to React. Created an interim Angular-in-React solution, wrote tests to validate behavior, took additional requirements from users and re-implemented the components.
- Built CI/CD pipeline on AWS for front-end and back-end builds and deployments. Wrote CloudFormation scripts to provision IaaS and created Bamboo integration, then migrated the builds from Bamboo to Github Actions.
- Created restful API endpoints in Python / PostgreSQL. Added virtual database logic to enable backend unit tests. Implemented logging for backend errors and email automation on failure.

2018-2021

Optus
Senior Front-End Engineer

Duration: *3 years, 8 months*

Built the checkout flow for their online store and their customer dashboard.

- Built the prototype for their company-wide React component library. Drove adoption by presenting it to many business stakeholders, iterated from their feedback and it is now the base for all new front-end projects at Optus.
- Total rebuild of their customer 'My Account' dashboard into React. The dashboard showed mobile data usage, billing details and account information, and when I rolled it out it was 6x faster than the dashboard it replaced.
- Maintained 90% unit test coverage on all code, above and beyond the 70% required.
- Jointly ran in-person UX prototype sessions for customers with design team.
- Created integration test build checks with Cypress.
- Page performance audit and monitoring using Lighthouse.
- Many other features built: SIM activation, 'My Profile' pages, account add-on configuration, live chat integration.

OpenAgent
Front-End Engineer

Duration: 3 years, 6 months

Built web applications and marketing experiments for the growth team.

- Built their main customer conversion funnel. Took what was once static forms and made it an interactive experience.
- Ran split tests and conversion optimisation using analytics. We logged data points through Optimizely and Google Analytics, evaluated A/B tests (sometimes multivariate) and delivered growth for the marketing team.
- Built the platform that the call center staff would use when speaking to customers. It was a mix of CRM and data dashboard that would present information tailored for the call they were on.
- Generated their long tail of thousands of SEO pages.
- Many other features built: commission calculator, property report generator, blog, agent awards platform and more.

Education

2014

University of Sydney
Bachelor of Software Engineering

Skills & Technologies

React • Typescript • ES6 • Redux • Context • Hooks • Router • Sass • SCSS • Styled Components • CSS • JSX • HTML
Python • Flask • Node • Rest • APIs • SQL • PostgreSQL • SEO • Jest • Enzyme • React Testing Library • Cypress
Webpack • Gulp • NPM • Sonar • CI/CD • Bamboo • GitHub Actions • Agile • Scrum • Kanban • Git
Docker • AWS • EC2 • RDS • S3 • Lambda • Serverless • Cloudfront • IAM • Bash • Airflow

Cloud Certifications

Amazon
AWS Solutions Architect (Associate)

Amazon
AWS Developer (Associate)

Work Rights

Australian Citizen

Remote Preference

Fully remote

More Info: https://johansen.software • https://github.com/gianjohansen • https://linkedin.com/in/gianjohansen