

Alwin George

Software Engineer

Brisbane, Qld

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Software Engineer who genuinely loves solving problems and is always learning new Tech stacks to solve complex problems and build interesting projects. Able to self manage during independent projects, as well as collaborate in a team setting.

Work Experience

Software Engineer

flight centre travel group

Apr 2024 - Current

- Optimised the Trips screen in the Flight Centre app in React Native by persisting trips data locally, significantly improving load speed and reducing API calls.
- Implemented a new app homescreen based on designs provided by the UX team, collaborating closely with my development team to enhance user navigation and engagement
- Built a personalised holiday deals component for the new home screen based on user search history, increasing customer retention and app personalisation.
- Conducted code reviews, debugging, and implemented mobile development best practices to improve app performance, reliability, and alignment with business goals.

Software Engineer

Liftango

Sep 2022 - Mar 2024

- Reduced monthly Twilio costs by analysing SMS triggers, prioritising push notifications over SMS, and ensuring SMS are sent only if push notifications fail. Additionally, refactored SMS message content to reduce character size, further lowering expenses.
- Contributed to refining the front-end, in React Native to meet evolving feature demands and enhance user experience.
- Added to the back-end service, working with Express JS to update and overhaul API endpoints for new functionalities and user needs.

Software Engineer

Brightspark Labs

Jan 2022 - Aug 2022

- Contributed to the development of an enhanced prototype for the existing node graph visualiser using React Fiber, enabling finer control over every aspect of the 3D graph due to the limited flexibility of the react-force-graph library.
- Enhanced the in-house codebase by contributing to the Angular front end and Java-based Dropwizard backend, resulting in improved application performance.
- Simplified software setup with bash scripts that automated configuration and reduced execution time enhancing efficiency and ease of use, fostering a collaborative work environment.

I.T Client Relations Consultant

Ipau

Jan 2021 - Jan 2022

- Managed IT operations for multiple primary schools, administering servers, networks, and overall IT infrastructure while optimizing workflows through scripting.
- Delivered effective onsite and remote technical support for various IT issues.

Education

Software Engineering

General Assembly Bootcamp

Jun 2021 - Dec 2021

- Developed a full-stack web application using React for the front end and Express.js for the backend as part of the final project, a web app that allows users to create and vote on polls
- Developed a ticket managing system with flask a lightweight python back-end framework utilising it's jinja templating engine for the front end

Bachelor of Information Technology

James Cook University

2018 - 2020

- Engaged in annual 3-day sprints, working alongside local subject matter experts to create and showcase an MVP solution to a panel of SMEs, achieving 2nd place in the final year with our disaster relief live chatbot prototype.
- Developed a task management system in Android Studio with Java, featuring intuitive user interfaces for streamlined task organisation, prioritisation, and management, including functionalities for adding, editing, and deleting tasks.

Skills

HTML/CSS | JavaScript/Typescript | Python | C# | React Js | React Native | Node.js | Flask |
Postgres (SQL) | MongoDB | Sequelize | Unit/End-to-end testing (Jest/Cypress)