# Alwin George

Software Engineer
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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

### Mobile Software Engineer    Flight centre travel group                          Apr 2024 - Current

- Optimised app performance by refactoring key components to eliminate unnecessary API calls and redundant image processing, significantly reducing operations blocking the main thread.
- Collaborated with the team to rebuild the app home screen based on UX team designs, focusing on improving user navigation and engagement.
- Implemented an on-device logger for production and staging app builds, significantly improving debugging speed and accelerating app deployments. This self-driven initiative enhanced efficiency and streamlined issue resolution.
- Optimised the Trips screen by persisting trips data locally, significantly improving load speed and reducing API calls.

### Full Stack Developer    Liftango                                             Sep 2022 - Mar 2024

- Optimised monthly Twilio costs by analysing SMS triggers, prioritising push notifications as the primary communication method, and reserving SMS for cases where push notifications fail. Additionally, refined SMS content to reduce character usage, 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.

### Full Stack Developer    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)