

Vijay Haresh Ragupathy

FULL STACK SOFTWARE DEVELOPER

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SUMMARY

As a recent graduate with a Master's in Information Technology (Cyber Security) from Queensland University of Technology, I bring a strong foundation in full-stack development and cybersecurity. My quick learning abilities, adaptability, and problem-solving mindset allow me to thrive in fast-paced environments. I'm eager to leverage my technical expertise, coupled with excellent teamwork and collaboration skills, to contribute to innovative projects and drive success. Ready to deliver impactful results from day one.

SKILL SUMMARY

- **Languages:** Python, C, C++, Bash, JavaScript, Flutter, C#, SQL, HTML, CSS3
- **Frameworks:** React, Next.js, FastAPI, Node.js, Express.js, React Native, Tailwind CSS
- **Tools:** Docker, Git, eBPF, Postman, Selenium
- **Platforms:** Github, Vercel, Heroku, AWS(EC2 Auto Scaling)
- **Soft Skills:** Problem-solving, Teamwork, Fast learning, Adaptability
- **Additional Skills:** Data Structures and Algorithms, GraphQL, RESTful API

WORK EXPERIENCE

FULL STACK DEVELOPER (INDUSTRY IT PROJECT) - OREFOX QUT, Brisbane | Jan. 2024 - Mar. 2024

Tech Stack: Python, Django, FastAPI, PostgreSQL, React, AWS, Docker

- Delivered a real time bushfire monitoring system using Django and PostgreSQL, based on client requirements, within 2 months.
- Quickly learned new technologies and built a real-time dashboard for fire activity tracking and alerts, integrating with mapping tools.
- Designed and executed **test cases** to ensure data accuracy and system reliability.

MOBILE APP DEVELOPER (WIL PROJECT) - POCKET DEV QUT, Brisbane | Apr. 2024 - June. 2024

Tech Stack: Flutter, Dart, Firebase, Firestore, JIRA, Confluence, Git

- Led a team of 3 developers to design and implement a property development ROI calculator app using Flutter and Firebase within a 2-month timeline.
- Rapidly adapted to new technologies and developed key features including dynamic user input forms, real-time financial calculations, and data visualisations for cash flow and project profitability.
- Utilized JIRA for agile project management, Confluence for documentation, and SharePoint for collaborative file sharing and version control.
- Developed and executed **test scenarios** to validate financial computations and UI responsiveness.

AUTOTASK (AI-Powered Task Productivity Tracker) QUT, Brisbane | Sep. 2024 - Jan. 2025

Tech Stack: React, TypeScript, Firebase, Firestore, OpenAI API, Firebase Auth, Firebase Analytics

- Created a mobile app that intelligently schedules tasks based on deadlines and workload.
- Integrated OpenAI's API to provide smart task recommendations and reminders.
- Used Firebase for real-time task synchronization across multiple devices.
- Designed an analytics dashboard for users to track productivity trends over time.

ACADEMIC PROJECTS

ROOMEO : A web application built using Next.js, Typescript, Tailwind CSS, and MongoDB, designed to help students find accommodation by connecting property owners with potential tenants. The platform includes dedicated panels for both property owners (clients) and renters (customers).

- Developed a client panel where property owners can list, manage, and update rental properties, providing control over property availability and tenant applications.
- Created a customer panel where users can browse available properties, apply for rentals, and track the status of their applications in real time.
- Integrated MongoDB for efficient data management, handling property listings, user data, and application processing.

STOCK WATCH : A mobile application developed using React Native to help users track stock prices and receive the latest news updates related to their selected stocks.

- Implemented real-time data fetching with Alpha Vantage API to provide up-to-date stock prices.
- Integrated user authentication and a personalised watchlist feature for tracking preferred stocks.
- Utilised MongoDB for efficient data management, demonstrating strong API integration and database handling skills.

STROKEY - A WEB APP WHICH LEVERAGES MACHINE LEARNING MODEL TO PREDICT STROKES

A machine learning model designed to predict long-term outcomes in stroke patients using the logistic regression algorithm.

- Developed a user-friendly webpage to collect patient data and predict stroke outcomes using the trained model.
- Employed logistic regression to implement an accurate prediction model for medical ailment forecasting.
- Focused on usability by creating an intuitive interface for both medical professionals and patients.

EDUCATION

Master of Information Technology (Cyber Security)

Queensland University of Technology
Brisbane, Australia

Bachelor of Engineering in Instrumentation and Control

PSG College of Technology
Coimbatore, India

ADDITIONAL INFORMATION

- Available to start immediately.
- Full working rights in Australia (485 Visa).
- Willing to relocate for the right opportunity.