Allison Grasso

Software Engineer | Full Stack Developer

alligrasson@gmail.com • 0490028704 • linkedin.com/allison-grasso • alligrass.dev

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Melbourne-based Software Engineer with expertise in full-stack development and a passion for creating innovative, user-centric solutions. Proven ability to deliver high-quality results both independently and collaboratively

Key Skills

Languages: HTML, CSS, JavaScript, Python, Java, C++, SQL, React, TypeScript
Technologies: Node.js, Express, PostgreSQL, GraphQL Heroku, GitHub
Tools: Tableau, Excel, Eclipse IDE, Visual Code Studio
Methodologies: Agile Workflow, MVC Architecture, Code Refactoring, Testing

Professional Experience

Software Engineering Graduate   *Aug 2024 - Nov 2024*
General Assembly, Australia

- Completed an intensive 400+ hour full-stack web development course, gaining hands-on experience with modern technologies including Node.js, React, HTML, CSS, and SQL.
- Built web forms with form validation and integrated third-party APIs for enhanced functionality.
- Practiced agile workflows, code refactoring, and error-driven development.

Recent Projects

Dice RPG Webgame (In Development)
- Engineered global state management for player/dice mechanics using Zustand + Immer.
- Built a location-driven UI with dynamic state transitions to render contextual data/actions.
- Designed for scalability with modular architecture and optimized re-renders.
- **Tech Stack: React, TypeScript, Zustand, Immer**

Portfolio Website alligrass.dev
- Designed and developed a multi-page portfolio website with a built-in dark mode feature.
- Focused on creating an interactive and intuitive UI/UX design to enhance user engagement.
- **Tech Stack: React, HTML, CSS, JavaScript, Heroku**

Terminal Emulator
- Built a full-stack terminal emulator capable of executing various commands to simulate a desktop terminal.
- Developed a Python backend using Flask to interface with Java programs and deliver results to the frontend.
- **Tech Stack: React, HTML, CSS, TypeScript, Python, Flask, Java**

Servo App
- Collaborated remotely with a team of 5 to create a full-stack application integrating Google Maps API to display petrol stations across Australia.
- Provided code reviews and validation to ensure high-quality, maintainable code.
- **Tech Stack: Express.js, PostgreSQL, HTML, CSS, JavaScript, Google Maps API**

Education

Diploma of Computer Science
Swinburne University of Technology - Hawthorn, Victoria