

Antony Loose - Software Engineer

GitHub

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Education

Bachelor of Software Engineering (Honours) - Monash University

WAM: 78

Experience

References provided on request. For more information about my experiences, please visit my website.

Android/Fullstack Developer

Hailo, October 2025 to Present.

Hailo is a public transport hailing system that connects passengers, drivers, and operators, providing real-time bus tracking, accessibility-aware hails (embarking and disembarking), and operational management tools.

- Lead developer for the Hailo Commuter Android application, owning architecture, feature delivery, and technical direction
- Delivered technical demonstrations to key stakeholders and clients, supporting product validation and partnerships
- Conducted field testing and real-world validation to ensure reliability and accessibility of the Hailo Commuter application
- Designed and implemented a driver console to notify public transport drivers of incoming hails and associated accessibility requirements
- Built a flexible mock service framework enabling end-to-end demos in minutes rather than hours, with configurable combinations of real and mocked services (e.g. real services with mock location, or vice versa)
- Implemented and maintained AWS Lambda functions for user management and backend application workflows

Fullstack Developer

Monash University, December 2023 to Present.

- Developed a modular Auslan spell generation package using Three.js, TypeScript, npm, HTML, and CSS to translate text prompts into interactive 3D animations, enhancing engagement and learning.
- Wrote and maintained clear documentation and well-structured APIs to support an open-source release, utilized by 8 Honours students and the internally developed Monash Sign Bank.
- Designed a flexible architecture prioritizing extensibility, allowing easy modification and customization by other developers.
- Enhanced usability by optimizing animation performance and rendering efficiency.
- Deployed an alpha demo on Nectar (a research cloud) for user testing.

Frontend Developer (Contract)

iLearn Education, November 2023 to August 2024.

- Developed an e-exam platform using Next.js, React.js, TypeScript, HTML, and CSS.
- Communicated with the client to gather requirements and refine development priorities.
- Worked in an agile manner, ensuring continuous feedback and improvements.