

William Herman

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Portfolio: <https://williamherman.vercel.app/>

Work Experience

Full Stack Developer

March 2024 – Present

Quest Finance

- Optimise the website application to align with stakeholder requirements, significantly enhancing user experience and improving the efficiency of lending and brokerage application submissions by 36%.
- Sustained 80% test coverage in unit tests, ensuring robust performance and reliability, and conducted comprehensive end-to-end testing using Cypress to cover all scenarios.
- Integrate the Quest API and implement webhooks to enable real-time communication between front-end and back-end systems, ensuring timely data updates and improving platform synchronization.
- Utilise Sentry to proactively monitor and resolve bugs and errors in both staging and production environments, significantly reducing downtime and improving overall system stability.

Software Engineering Intern

August 2023 – November 2023

NSW Police

- Developed a cross-platform MVP React Native mobile application for Android and iOS, enabling NSW Police to efficiently manage and record random breath and drug test data in the field.
- Engaged in a Scrum-based Agile development environment using Jira, Confluence, leading weekly sprints and standup meetings. Conduct regular sessions with the police client to ensure seamless fulfillment of requirements.
- Collaborated within a cross-functional Scrum team of eight skilled professionals, leveraging Agile methodologies to enhance teamwork, streamline communication, and ensure efficient project delivery.

Full Stack Developer Intern

June 2023 – August 2023

S1T2

- Collaborated closely with the UI/UX team to implement responsive and accessible front-end components, applying agreed-upon design specifications and technical styling standards to ensure cross-browser compatibility and optimal user experience.
- Delegated tasks across front-end and back-end developers, ensuring alignment with client requirements. Help the migration process and optimising or refactor legacy code, for improved performance and readability, while coordinating closely with the development team to ensure seamless integration and smooth operation of the websites.
- Maintained and enhanced a commercial website builder built on WordPress, ensuring it was intuitive and user-friendly for non-technical users, with a focus on accessibility and seamless customization.

Projects

RBT/RDT Form Application Mobile App – Group Project

October 2023

- Digitalized Form Application: Create a user-friendly and intuitive digital application to replace traditional paper-based forms, optimizing the RBT and RDT procedures for NSW Police Services.
- Cross-Platform Compatibility: Develop a React Native application that is compatible with both iOS and Android devices, ensuring accessibility to a wide range of users and devices.
- Data Storage and Management: Implement robust data storage and management features, enabling the secure storage and retrieval of RBT and RDT data, making it easier for officers to access and analyse information.

AI Hub Generation Website – Solo Project

November 2023

- Text, Code, Image, Video, and Music Generation: Develop a user-friendly platform that enables content generation across multiple media types, showcasing the capabilities of Open AI and Replicate API.
- Limited Generation Access: Grant users limited access to AI-generated content creation as a preview of the website's capabilities, stimulating interest and engagement.
- Subscription Model: Implement a subscription-based model using Stripe, allowing users to upgrade for unlimited content generation, providing a sustainable revenue stream for the project.

Skills

- Python | JavaScript | React.js | TypeScript | Java | Docker | Cypress | Jest | AWS | PostgreSQL | MySQL | Jira | OOP |

Education

Bachelor of Science in Information Technology

October 2020 - December 2023

University of Technology Sydney (UTS)

- Major: Enterprise Systems Development (GPA: 6.06) / (WAM: 80.44)

Certifications

- AWS Certified Developer Associate (DVA-C02)

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