

TAMALA HEALY

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Portfolio & Live Projects: tamalahealy.netlify.app

ABOUT ME

I am a career-transitioning Software Engineering Associate who completed the She Codes Plus industry bootcamp in December 2025, developing practical full-stack capability across React, Django and modern deployment environments.

With over a decade of experience working in structured and compliance-driven industries, I bring analytical thinking, strong accountability and a risk-aware mindset to engineering teams. I am motivated by building secure, scalable systems that protect user data, operate reliably under pressure and improve access at scale.

KEY SKILLS

Software Engineering: experience designing and building full-stack web applications using HTML, CSS, React and JavaScript on the front end, and Django with Django REST Framework on the back end, including relational database modelling (SQLite 3), RESTful API design, authentication flows and structured Git-based workflows.

Hardware & Embedded Systems: hands-on experience developing MicroPython applications using Raspberry Pi and programmable hardware, integrating distance sensors, LED light strips and 8x32 pixel matrix displays with event-driven logic and power management considerations.

Development Environment & Tooling: building applications using Visual Studio Code, managing version control through GitHub, testing APIs with Insomnia, configuring front-end builds using Vite and deploying applications via Netlify and Heroku.

Collaboration & Delivery: experience working within team-based development environments, managing sprint tasks via Trello, participating in structured Git workflows and liaising with stakeholders to translate requirements into technical deliverables.

Secure Development Awareness: experience handling structured data, implementing validation logic and working within regulated environments where privacy, accuracy and risk management are critical.

Leadership Under Pressure: experience coordinating cross-functional teams and delivering technical solutions against fixed deadlines, including live demonstration environments requiring rapid debugging and system recovery.

Analytical Thinking: strong statistical and logical reasoning foundation from Psychology studies and Accounting training, supporting structured problem-solving and system design.

Continuous Learning: proactively extending technical capability through independent projects, React Native experimentation and ongoing GitHub development beyond formal training.

QUALIFICATIONS

She Codes Plus – She Codes Australia
6-Month Industry-Led Bootcamp | Completed December 2025

Bachelor of Arts (Psychology)
University of Western Australia | 2021

Advanced Diploma of Accounting & Finance
Great Southern Institute of Technology | 2009

CAREER OVERVIEW

Professional background spanning disability services, finance and mining operations, transitioning into Software Engineering following completion of a structured, industry-aligned coding program. Experienced in regulated environments requiring documentation integrity, system reliability and risk awareness. Now focused on contributing to collaborative engineering teams building secure, scalable digital systems.

TECHNICAL PROJECT EXPERIENCE

PlotTwist – Community Literature Application

Full-Stack Web Application | React, JavaScript, Django, DRF, SQLite 3, Cloudinary

Designed and developed an interactive storytelling platform enabling users to collaboratively build and contribute to evolving narratives within a structured full-stack architecture.

Key Achievements

- Built dynamic front-end functionality using React and JavaScript
- Developed backend logic using Django and Django REST Framework (DRF)
- Designed relational database models using SQLite 3 within Django
- Created and tested RESTful API endpoints using Insomnia
- Integrated Cloudinary for secure media storage and image handling
- Managed version control via GitHub and deployed using Netlify

Save Point – Live Interactive Retrospective Application

Full-Stack Team Project | React, Django, Django Channels, PostgreSQL, Netlify, Heroku

Collaboratively developed and delivered a live retrospective application designed to capture and organise team insights through structured, interactive engagement.

Key Achievements

- Took on a Project Manager role, liaising directly with an industry client to clarify requirements and align project outcomes
- Coordinated task allocation and sprint delivery using Trello for structured workflow management
- Built dynamic React components supporting real-time user interaction
- Contributed to backend logic and API integration using Django
- Participated in Git-based collaboration, pull requests and structured version control
- Presented the live application to mentors, industry representatives and the wider cohort, facilitating real-time user engagement and feedback

Project Sparkle – Hardware-Integrated Interactive Dress

MicroPython | Raspberry Pi | Programmable Hardware | Team Project

Co-led and coordinated the development of a hardware-integrated interactive dress designed to fulfil a live showcase vision for the founder of She Codes. Delivered under fixed launch deadlines with cross-functional collaboration across technical and creative contributors.

Key Achievements

- Led coordination across a small technical team, mentors and external collaborators
- Programmed MicroPython scripts to control LED light strips and 8x32 pixel matrix display
- Integrated distance sensor for event-triggered interaction
- Managed hardware assembly including wiring configurations and 20,000mAh power supply integration
- Collaborated with external production partner (Made APT) to align hardware constraints with garment design
- Diagnosed and resolved critical system glitch 10 minutes prior to live graduation showcase
- Successfully delivered fully functional interactive product under live demonstration conditions

Personal Portfolio Website

tamalahealy.netlify.app | React, Vite, JavaScript

Designed and developed a modern portfolio application using React and Vite to showcase deployed projects and demonstrate structured front-end capability.

Key Achievements

- Built modular React components using Vite for optimised development builds
 - Structured routing and reusable layout components
 - Managed version control via GitHub
 - Configured and deployed production build using Netlify
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Meditation Storage App (In Development)

React Native

Developing a personal mobile application for structured meditation tracking and secure local data storage.

Key Achievements

- Built cross-platform React Native components
 - Designed user-focused interface for habit tracking
 - Exploring mobile-first architecture and local data handling
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PROFESSIONAL EXPERIENCE

PROCESS MINERALS INTERNATIONAL | Village Allrounder

2023 – 2025 | WA

Supported operational systems within a large-scale mining environment, maintaining structured documentation and accurate inventory data.

Key Achievements

- Redesigned stock tracking system, improving budgeting accuracy
 - Identified and corrected data inconsistencies, strengthening reporting reliability
 - Operated within strict safety and compliance frameworks
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HUMDRUM | Support Coordinator & Housing Officer

2021 – 2023 | WA

Managed complex caseloads within NDIS regulatory frameworks, handling sensitive client data and producing structured documentation.

Key Achievements

- Produced detailed reports used in formal review processes
 - Maintained strict confidentiality and regulatory compliance
 - Coordinated multidisciplinary stakeholders across metro and regional environments
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ON TRACK DISABILITY SUPPORT SOLUTIONS | Support Coordinator – Business Owner

2020 – 2021 | WA

Established and managed a service-based business operating within structured funding and compliance systems.

Key Achievements

- Developed governance and documentation processes
 - Managed financial tracking and plan sustainability
 - Recruited and supervised support staff
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REFERENCES

Available upon request