



Quentin McKay

Full-Stack Web Developer | Software Engineer

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Education

- 2023 **Diploma of IT (Web Development)**
Coder Academy
- 2007 **Bachelor of Music (Production)**
Australian Institute of Music

Key Skills

- Frontend / Backend Development
- UI / UX Design
- Database Management
- Testing and Debugging
- Communication
- Continuous Learning

Tech Skills

- **Languages:** JavaScript, Python, Ruby, C#, C++, Java, Bash, HTML, CSS, SCSS, Tailwind, Node, TypeScript
- **Frameworks:** React, Next.js, Express, Flask, Vue
- **Databases:** Postgres, MySQL, MongoDB
- **Tools:** Git, GitHub, VSCode, Vite, Postman, Insomnia, Netlify, Render

Summary

Software engineer skilled in designing and implementing full-stack web applications. With a passion for continuous learning, keen eye for detail, and love of clean, efficient code, I strive to create innovative and engaging software solutions. Seeking opportunities to contribute my technical expertise and expand my knowledge in a dynamic and growth-oriented environment.

Key Projects

StrataSphere [<https://stratasphere.netlify.app/>]

- Building management application
- Features include a drag-n-drop task board, voting and budget systems, notice board with comments and image upload, color theme switching, and custom full-stack user authentication
- Built with MERN stack / Cloudinary

AI Quiz Generator [<https://ai-quiz-generator-next.vercel.app/>]

- AI-powered multiple choice quiz generator
- Features include GPT-3.5 stream response handling and visuals, multiple choice quiz implementation, loading screen with web dev facts, and end screen with score-based gifs and messages
- Built with Next.js / Tailwind / OpenAI

ProjectShare [<https://projectshare-frontend-react.onrender.com/>]

- AI-infused project sharing app enabling users to easily share and find GitHub repositories
- Features include GPT-3.5 and DALL-E integration, image storage using Cloudinary, user login and authentication
- Built with React / Tailwind / Flask / Postgres / OpenAI

Relevant Previous Employment

Cogniss (QA Testing Developer)

2023 –

- Created automated testing framework for the Cogniss mobile / web app

Coder Academy (K-12 Education Program)

2019 – 2020

- Designed / delivered online physical computing course using Micro:bit
- Designed / delivered 12-week Python course at Kambala Girls High School
 - physical computing (MicroPython) and creative coding (Processing.py)

Education and Arts Alliance

2010 – 2022

- Co-owned and operated 2 private music lesson studios with 300+ students
- Helped train and manage a staff of ~10 teachers
- Taught private / group music lessons to students of all ages both face-to-face and online