# MATT QIN

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## SUMMARY

Full Stack Developer with 2 years' combined experience designing, developing, and optimizing scalable web applications and backend services. Proficient in **Node.js, Python, React.js, TypeScript, and AWS** with hands-on experience in real-time data processing, video streaming protocols, and cloud-based deployments. Passionate about building high-performance applications and contributing to innovative media technology solutions. Unrestricted Australian work rights (485 visa valid until 2029).

## WORKING EXPERIENCE

**Agriculture Victoria Research, Victorian Government**                                                                Melbourne, VIC
*Full Stack Developer (Intern & Part-Time)*                                                                          *Dec 2023 – Dec 2024*
  • Built scalable RESTful APIs and backend services using **Java (Spring Boot)** and **Python (Django/Flask)**, focusing on database optimization and system performance.
  • Designed and optimized relational schemas in **PostgreSQL** and NoSQL structures in **MongoDB**, improving query performance by 30%.
  • Developed responsive front-end interfaces using **React.js and TypeScript**, prioritizing accessibility and usability.
  • Implemented automated testing frameworks (**JUnit, pytest**) and achieved over 90% code coverage to ensure software quality and reliability.
  • Managed continuous integration and deployment processes with **GitHub Actions** and Docker, deploying services seamlessly to AWS environments.

## TECHNICAL SKILLS

• **Languages:** JavaScript, TypeScript, HTML, CSS

• **Frameworks & Libraries:** React.js, Next.js, Tailwind CSS, Zustand/Redux (state management basics)

• **Tools & Platforms:** Git, GitHub, VSCode, Figma, Jira

• **Concepts:** RESTful APIs, Responsive Web Design, UI/UX principles, Web Accessibility, Agile development

• **Cloud/DevOps (Basic):** Familiarity with AWS deployments, Docker, GitHub Actions

## EDUCATION

**University of Melbourne**                                                                                          Melbourne, VIC
*Master of Information Technology*                                                                                  *Mar 2023 – Jul 2024*
  • Relevant coursework: Cloud Computing, Distributed Systems, Software Engineering, Data Analytics

**University of Melbourne**                                                                                          Melbourne, VIC
*Bachelor of Computer Science*                                                                                      *Mar 2019 – Nov 2022*
  • Projects in algorithms, mobile development, and object-oriented software design

## PROJECTS

**GameBuddy Platform — Next.js, React.js, Tailwind CSS, Spring Boot API**                                                   Melbourne
*Frontend Developer*                                                                                                *Dec 2024 – Present*
  • Designed and built highly responsive UI components using **Next.js** and **Tailwind CSS**, optimized for mobile devices.
  • Implemented frontend integration with backend APIs (Spring Boot), handling dynamic content rendering and authentication workflows.
  • Collaborated closely with designers to translate UX/UI designs from Figma to interactive frontend features.
  • Improved frontend performance, achieving fast load times and seamless user experiences across devices.

**Exchange Rate Tracker — React.js, Flask API, Tailwind CSS, AWS**                                                          Melbourne
*Frontend Developer*                                                                                                *Dec 2024 – Present*
  • Developed intuitive and interactive user interfaces using **React.js** and **Tailwind CSS**, visualizing real-time exchange rate data.
  • Integrated frontend with Flask backend services and Kafka streams, ensuring seamless real-time data updates using WebSockets.
  • Optimized frontend code for enhanced mobile responsiveness and overall user experience.
  • Implemented user-centric features including real-time alerts, dashboards, and dynamic UI elements.