



Jacob Marriott

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[GitHub](#) | [LinkedIn Profile](#)

Profile

I am a fourth-year Software Engineering student at the University of Queensland with a strong foundation in programming, problem-solving, and collaborative project work. Through my studies, I've developed proficiency in languages such as Java, Python, C, and Haskell, and gained experience across object-oriented, functional, and network programming. My background in the hospitality industry has also shaped my ability to work efficiently under pressure, communicate clearly, and take initiative in fast-paced environments. I'm passionate about building software that is both technically robust and user-focused, and I draw on my creativity and interpersonal skills to approach challenges from multiple perspectives. My technical grounding, adaptability, and strong teamwork skills make me a valuable contributor to any software engineering team.

Education

The University of Queensland — Bachelor of Engineering (Honours), Software Engineering
Brisbane, QLD | 2023 – Present

Wakatipu High School — Queenstown, New Zealand
2018 – 2022

Skills

- Programming Languages: Java, C, Python, Haskell, SQL
- Software Design: Object-Oriented, Functional, and Network Programming
- Tools & Practices: Git, Agile development, version control, test-driven design
- Project Management & Team Collaboration
- Strong Communication & Problem-Solving
- Agentic workflow integration & prompt engineering

Volunteering

Member, Electrically Based Engineering Student Society – UQ Engineering Undergraduate Society
(2024 – Present)

Member, Student Staff Liaison Group - School of Electrical Engineering and Computer Science
(2025 - Present)

Student Representative, Chairperson – SSLG:

Software Engineering Studio: Design, Implement and Test (Semester 2, 2025)

Software Architecture (Semester 1, 2026)

Generative Artificial Intelligence (Semester 1, 2026)

Qualifications

- **SITXFSA005** – Use Hygienic Practices for Food Safety (2024–Present)
- **HLTAID009** – Provide Cardiopulmonary Resuscitation (2024–Present)
- **HLTAID011** – Provide First Aid (2024–2027)

Work Experience

Contract Software Engineer

Mar 2026 – Present

- Developed a full-stack hospitality BI dashboard using Next.js, React, and Supabase.
- Engineered a real-time P&L system tracking sales, labor, and COGs with automated financial summaries.
- Implemented secure cookie-based authentication with PIN verification and Next.js middleware protection.
- Integrated Chart.js for dynamic visualization of sales trends, expense breakdowns, and net profit.
- Deployed to Vercel using GitHub-based CI/CD and secure environment-based secrets management.
- Optimized performance by reducing serverless latency through direct Supabase browser client integration.
- Leveraged Claude Code (agentic CLI) to accelerate development velocity and automate code optimisation.

Chef de Partie – Chef Jon Pizzeria & Bistro | Brisbane, QLD

Aug 2025 – Present

- Oversee daily operations of the bistro section, ensuring precision and efficiency under pressure
- Train, supervise, and motivate kitchen staff while fostering teamwork and accountability
- Program and modify POS systems to maximise efficiency and communication between FOH and BOH

Chef de Partie – Boucher French Bistro | Brisbane, QLD

Dec 2025 – Present

Commis Chef – Ruby, My Dear | Brisbane, QLD

Jan 2025 – Aug 2025

- Supported menu development and recipe refinement through iterative experimentation
- Managed prep operations independently, maintaining consistent quality under time constraints

Commis Chef – Tanoshi Restaurant Group (Part-Time) | Queenstown, NZ

Nov 2021 – Dec 2025

- Implemented traditional Japanese cooking techniques, mastering precision and timing
- Maintained hygiene and safety compliance while training junior staff

Sound Engineer – Rock Formation Trust (Contract) | Queenstown, NZ

Nov 2020 – Dec 2022

References

Dr. Guowei Yang – Senior Lecturer, School of Electrical Engineering and Computer Science
guowei.yang@uq.edu.au

Matty Yates – Founder / Managing Director, Tanoshi Restaurant Group
matty@tanoshi.co.nz (preferred) | +64 21 500 828

Casey Poland – Former Executive Chef, Happy Fat Group (Ruby, My Dear)
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