

RIKI CHOI

Software Developer | Melbourne, VIC, Australia

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Education

Bachelor of Information and Communication Technology

Feb 2023 – March 2025

Swinburne University of Technology

Melbourne, VIC

- Weighted Average Mark: 71.8 (Distinction)

Diploma of Information Technology (Advanced Programming)

Feb 2022 – Dec 2022

Swinburne University of Technology

Melbourne, VIC

Experience

Agri House

Nov 2024 – Jan 2025

Full Stack Developer

Melbourne, VIC

- Developed an AI RAG chatbot system to assist employees in retrieving cricket farm details efficiently.
- Implemented document processing pipeline to convert large PDFs into vector embeddings.
- Integrated vector embeddings into a Retrieval-Augmented Generation (RAG) workflow.
- Created an intuitive UI/UX using Mapbox and geolocation services.

EdAble - Work Integrated Learning Project

Feb 2022 – Dec 2022

Full Stack Developer

Melbourne, VIC

- Developed an admin & finance management system to streamline donation campaign operations.
- Collaborated with a cross-functional team of four students, a mentor, and a client to refine functionality and ensure usability.
- Automated invoice generation, eliminating manual searches through emails and records.
- Integrated the ChartJS library to display informative and visually appealing infographics.

Projects

AI Meal & Fitness Planner | BiteLog

[Project Website](#)

React, Next.js, TypeScript, TailWind CSS, Prisma, MongoDB

- Implemented AI-powered features using OpenAI API and Vercel AI SDK.
- Built a user-specific health tracking app for monitoring daily health metrics and activities.
- Developed analytics features to provide personalized insights and trends based on user progress.

Business Management System | AdminDash

[Project Website](#)

React, Next.js, TypeScript, TailWind CSS, Express.js, Node.js, MongoDB, AWS EC2/S3, Stripe

- Developed a business management system that analyses financial data, integrating Axios for seamless API communication and Stripe for secure payments.
- Implemented ShadCn for responsive layout design, keyword filtering and pagination to reduce content discovery time.
- Deployed Node.js and Express.js backend on AWS EC2 and utilized AWS S3 for image storage.

Real Estate Website | OpenHouse

[Project Website](#)

React, Next.js, TypeScript, TailWind CSS, FireBase

- Developed a full-featured property listing application, implementing full CRUD operations with User Authentication for secure listing management.
- Integrated interactive Google Maps into the listing interface, enabling users to visualize property locations, and built an advanced multi-parameter search filter (city, price, amenities, date availability) for enhanced user discovery.
- Implemented role-based permissions and authentication, ensuring user-specific permissions for their own listings and dashboards, all while maintaining a responsive UI.

Key Skills

Languages: JavaScript, TypeScript, HTML/CSS, SQL (TSQL), NoSQL, C#, Kotlin, PHP

Developer Tools: VSCode, Postman, Github, Figma, Chrome DevTools, npm, AWS EC2, User Authentication, Data Validation, Git, GitHub, Version Control, Context API, CRUD Operations, RESTful API,

Technologies/Frameworks: React.js, Next.js, Express.js, Tailwind, Bootstrap, ShadCn, Node.js, ASP.NET Core MV, Docker, AWS, PostgreSQL, MongoDB, Firebase, MySQL, MapBox, React Hook Form,

Technical Skills: Unit Testing, CI/CD, Agile Development, Version Control, GitFlow, UI/UX, Full Stack Development, Problem Solving, Detail Oriented, Collaborative, Self Sufficient, Independent, Team Player