Riki Choi

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Melbourne, Australia

EXPERIENCE

Full-Stack Developer   **Feb 2022 - Dec 2022**

EdAble   *Melbourne, VIC*

- **Admin & Finance Management System**
  - Developed an admin & finance management system to streamline donation campaign operations.
  - Automated invoice generation, eliminating manual searches through emails and records.
  - Integrated the ChartJS library to display informative and visually appealing infographics.
  - Utilized Angular, JavaScript, TypeScript and Firebase to contribute across all areas of the stack

Full-Stack Developer   **Nov 2024 - Jan 2025**

AgriHouse   *Melbourne, VIC*

- **Cricket Farm Resources Management System | AI RAG Chatbot**
  - 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.

EDUCATION

Bachelor of Information Technology | Software Technology Major   **Mar 2021 - Dec 2024**

Swinburne University of Technology   *Melbourne, VIC*

- **Relevant Courses:** Data Visualisation, Advanced Web Development, Software Development for Mobile Devices, Interface Design and Development, Cloud Computing Architecture, Object-Oriented Programming, Fundamentals of Data Management

PROJECTS

BiteLog | AI Meal and Fitness Planner

- 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.

AdminDash | Business Management System

- Integrated Stripe Payment Gateway and API for secure transactions.
- Deployed a Node.js and Express.js backend on AWS EC2, utilizing AWS S3 for image storage.
- Designed a modern, responsive UI using ShadCn components.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript
Frontend: React.js, Next.js, Tailwind, ShadCn
Backend: Node.js, Express.js, RESTful APIs
Databases: MongoDB, PostgreSQL, Firebase
Tools & DevOps: VSCode, GitHub, Vercel, AWS EC2, Postman, Chrome DevTools, npm
Libraries & Frameworks: Prisma ORM, Mongoose, React Hook Form, Zod, Vercel AI SDK, OpenAI API
Methodologies: Agile, SCRUM, GitFlow
Other: User Authentication, Data Validation, CRUD Operations