

Kat Mountford

Junior Software Engineer
Based in Melbourne, VIC

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

Hey, I'm Kat, a Junior Software Engineer with a background spanning software support, product management, and frontend development. My journey started in tech support, where I honed my problem-solving skills before transitioning into product management, leading teams to build impactful SaaS solutions.

Seeking a more hands-on role, I co-founded a startup through an accelerator, diving into frontend development with React and Flutterflow. That experience fuelled my passion for coding, leading me to refine my skills through intensive training programs. Now, I thrive on solving complex problems, crafting intuitive user experiences, and building seamless, maintainable software.

SKILLS

Frontend: Next.js, React, TypeScript, JavaScript, Bulma, Tailwind CSS, BEM

Backend: Node.js, NestJS, Python, Flask

Databases: MySQL, PostgreSQL, MongoDB (NoSQL), SQL

Cloud & DevOps: Azure, REST APIs, SonarQube

Testing & Code Quality: Jest, React Testing Library, TDD

AI & Data: OpenAI, Data Analytics

EXPERIENCE

Junior Software Engineer

OCT 2024 - PRESENT

Aurecon

- Developed Cue, an interactive knowledge app using Next.js, React, and OpenAI, enabling non-technical users to craft effective AI prompts.
- Redesigned the app's UX with a problem-focused navigation system, implementing intuitive tiles and categories to enhance usability.
- Integrated the app with Azure for deployment, worked with DevOps teams to ensure stability, and used SonarQube to maintain code quality throughout development.

Software Engineer Trainee

JUN - SEP 2024

_nology

- _nology is an intensive 12-week training program aimed at building strong practical Software Development skills.
- I completed over 6 personal projects and contributed to a student performance tracking tool that _nology is building for internal use.
- Tech Stack includes Typescript, MySQL, NestJS, React, Java, AWS, Jest and React Testing Library.

Frontend Software Engineer Intern

MAR - JUN 2024

Posi

- Posi is a B2B SaaS Marketing product where I undertook a part-time internship along side a senior developer as they launched this early stage side-project.
- Over the course of 3 months I designed and implemented the user onboarding workflow using Typescript and React, added styling for user reports using Bulma and BEM and took initiative to resolve various UI bugs found in the existing code base.

Software Engineer Trainee

SEP 2023 - MAR 2024

Coder Academy

- Coder Academy is a 6-month long intensive, accredited coding bootcamp focussed on Full Stack development and Computer Science fundamentals.
- Tech stack includes Javascript, React, Python, Flask, Node.js, MongoDB, SQL, PostgreSQL. I also gained foundational skills in Relational Database design (normalisation), Time-Space Complexity (Big O) and Test Driven Development (TDD).

Frontend Developer & Co-Founder

JAN - JUN 2023

Talk to Maple

- Accepted into Antler Australia's startup accelerator program and launched a gamified self-care mobile application using Flutterflow (frontend) and Xano (backend), gaining over 200 user downloads across apple and android app stores
- Integrated with openAI's chatGPT Turbo 3.5 API and implemented Firebase authentication (including google sign in) which involved a user Migration from Xano to Firestore for improved data safety.

Product Manager

JUL 2022 - JAN 2023

Culture Amp

- Identified key opportunities and defined a product roadmap focussed on user retention, utilising customer interviews, internal feedback, product usage and revenue churn risk as key inputs to guide the direction.
- Gained buy-in from multiple stakeholders through clear articulation of customer problems and the 'why' behind product decisions.

EDUCATION

Diploma of Information Technology
Coder Academy, AIT, 2024

UX UI Design Bootcamp
Academy Xi, 2021

Certified Scrum Master
The Scrum Alliance, 2019

PROJECTS

To-Do Task Tracker

A full stack app built using Java, Spring Boot, PostgreSQL, React & SCSS / Sass, where users can add, edit, duplicate and archive tasks.

Sproutly

A full stack plant forum app built using the MERN stack, JWT Authentication and Cloudinary. Users are able to login and logout, browse the forum, add and edit posts, interact with posts as well as edit their own profile.

Google Books Search

A frontend application built using React, consuming the google books API that enables users to search for books - including pagination and filtering.

EXPERIENCE CONTINUED

Product Manager
Surreal

JUL 2021 - JUL 2022

- As the company's first Product Manager I created and presented the international product strategy to investors, which was instrumental in securing an additional \$750,000 in VC funding.
- Driving the product vision and collaborating closely with the CTO and development team, I ensured Surreal's new product was successfully launched into their first international market (UK), receiving positive signals from early adopters.
- Implemented an analytics stack of Amplitude, Fullstory, Google Analytics and Metabase to track and understand user behaviours and improve UX workflows.

Product Manager
Henry Schein One

JUN 2019 - JUL 2021

- Uplifted customer NPS by 30 points and doubled user growth over a 12 month period through curation and execution of an impactful user-focussed product roadmap.
- Led the successful launch of Dentally (an acquired UK product) into the Australian market through defining and scoping market entry requirements.

Senior Technical Support Consultant
Henry Schein One

JAN 2017 - JUN 2019

- Handled all 2nd and 3rd level technical escalations including server migrations, managing system outages and writing, testing and running custom SQL scripts.
- Provided excellent customer service and maintained a 99.9% customer satisfaction score.

VOLUNTEERING

Girls Programming Network
Volunteer Python Tutor

OCT 2024 - PRESENT

- Girls Programming Network (GPN) is a program that works with high school students (years 7-12) to help get them excited about coding and encourage more people in underrepresented gender groups to explore study or a career in tech.
- As a volunteer Python tutor I'm involved in setting up the classroom, supporting classroom coding / math's games, assisting the room coordinator and helping students with their coding projects; all whilst maintaining a safe, fun, learning environment.