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KYLE ANNETT

Profile

I am a Senior Fullstack Engineer with 5+ years of software engineering experience and 8+ years of experience across software development and technical support. I am experienced in architecting and delivering web, cloud and AI powered products. Professionally, I have done so in technologies including Rails, Python, React, Azure and modern LLM technologies. I have a strong background in end-to-end product delivery, system design, and collaborating directly with stakeholders to turn business requirements into scalable technical solutions. I take a technology-agnostic approach to engineering, selecting tools based on business, product and technical requirements, rapidly adapting to new languages, frameworks, and domains as needed.

Technical knowledge

Languages: Ruby / Python / TypeScript / JavaScript / SQL

Frameworks: Ruby on Rails / FastAPI / React

Infrastructure: Azure / Docker

Services: Stripe / Clerk / Pinecone / Sanity CMS / Various LLM's / Langchain

Experience

Mosaica

Media and communications startup in the diversity and inclusion space

Senior Fullstack Engineer: July 2025 - present

Fullstack Engineer: January 2021 - June 2025

At Mosaica I take ownership of architecture, technical decision-making, and end-to-end product delivery. I work within a small engineering team of three developers, requiring broad ownership across architecture, implementation, code review, production support, and stakeholder communication. I have contributed across nearly all areas of the platform and collaborated closely with product, design, DevOps, and executive leadership. As part of my role I am responsible for:

- Researching and evaluating solutions for business objectives and product opportunities
- Developing prototypes and proof-of-concepts to validate technical approaches

- Designing and presenting architectural proposals to technical and non-technical stakeholders
- Delivering approved solutions through implementation, testing, deployment, and operational support

Key Projects & Achievements:

- Replaced manually calculated document bounds detection with OCR-driven processing, enabling consolidation of PDF and web ingestion workflows, while reducing complexity and improving performance without sacrificing accuracy
- Designed and built an internal semantic search benchmarking platform, enabling objective evaluation of vector retrieval quality and regression testing for safe RAG application development
- Led implementation of agentic chat workflows that expanded product AI capabilities and improved consumer experience
- Led migration from a legacy internal CMS to Sanity CMS, including the design and implementation of an event-driven synchronisation pipeline with internal systems

Shortcuts Software

International B2B salon management software provider

Specialist Support Technician: May 2019 - December 2020

Helpdesk Technician: September 2017 - May 2019

During my time in support I gained an invaluable insight into what happens with software once it's in the hands of the customer, which I have always taken into account when designing software. The responsibilities of my role included:

- Delivering technical support to enterprise and VIP customers, troubleshooting complex software and database issues
- Investigating customer-reported defects, identifying reproducible scenarios, and collaborating with engineering teams to drive resolutions when required
- Providing training and support to internal departments
- Delivering an exceptional customer experience and managing customer expectations

Domino's Pizza

Store manager: June 2014 - July 2017

As store manager I ran day-to-day store operations including staff leadership, training, rostering, inventory management, and performance against operational targets.

Education

Queensland University of Technology — Bachelor of Games and Interactive Entertainment, Software Technology Major (2013 - 2015)

Gold Coast Institute of TAFE — Diploma of Interactive Digital Media (2010 - 2012)

References

Provided upon request