Matt Doyle

Full-Stack Engineer

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About

Head of Engineering at ShapeShift DAO — overseeing architecture, infrastructure, and delivery for a decentralized cryptocurrency platform.

Previously led full-stack development and solution architecture for clients including NewsCorp, 7-Eleven, Aramex, and Reece.

Focused on high-quality software, cost optimisation, and driving engineering velocity through emerging technologies.

Experience

Head of Engineering
2025 - Present

ShapeShift DAO

Previously: Full-Stack Software Engineer   2022 - 2025

Head of Engineering for ShapeShift DAO, a decentralized, open-source, non-custodial cryptocurrency platform enabling users to trade, track, and earn yield across multiple blockchains.

- Leads engineering team, partnering with Product and Operations leadership to set strategic direction
- Oversees architecture, code quality, and engineering tooling across a TypeScript, React, Go, onchain, and agentic stack (web and mobile)
- Manages all infrastructure costs and team compensation, reducing infrastructure costs by ~80% through vendor negotiation and strategic migration
- Driving adoption of agentic AI workflows to improve team velocity and output

Full-Stack Software Engineer
2019 - 2022

Premonition.io • Sydney, Australia

Previously: Technical Solution Architect   2018 - 2019
Previously: Solution Delivery Manager   2016 - 2018

Developed, maintained, and supported a technology stack with 25,000+ daily active users: Scala (functional) and AWS Lambda back-end; Ionic and Angular mobile app (Android/iOS); Ember and TypeScript front-end; PostgreSQL database; Travis CI; and AWS infrastructure.

- Key contact for client technical teams; managed tier 2 and 3 engineering support
- Upheld engineering standards and best practices through code reviews
- Led bespoke software development projects for clients, including 7-Eleven and NewsCorp
- Led solution architecture for logistics integration projects, including with Reece, Aramex, and Fastway

Project Manager
2015

Woolworths Group Limited • Sydney, Australia

Previously: Supply Planner   2014

Utilised project management and analytical skills for leading key infrastructure and transformation projects. Facilitated process improvement to improve category performance.

- Managed $300m annual supply account across 20+ Woolworths suppliers, balancing on-shelf availability with inventory storage costs

- Improved national on-shelf availability of underperforming category from under 90% to target KPI of 95%+
- Provided key decision-driving insights as lead analyst during warehouse automation supplier selection (Woolworths' largest CAPEX project to date)
- Led Woolworths Liquor Group's logistics transformation project, consolidating 10+ national logistics providers to 2

Education

Master of IT (Software Engineering)   2015 - 2016
University of Sydney
High Distinction & Academic Excellence Scholarship

Bachelor of Business (Management)   2010 - 2013
University of Newcastle, Australia
Cultural exchange: Sony Institute of Higher Education, Tokyo. Executive, International Leadership and Development Program (2012-2013). Global Leadership Program for Social Entrepreneurship, Prague (2011).