PATRICK RANDELL

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Senior Engineer with 6+ years of experience in full-stack development, distributed systems, and blockchain/Web3. Currently a core engineer on a large-scale crypto super app that scaled from ˜100 to 500k+ users. Highly proficient with modern AI coding tools and LLM-assisted development workflows.

EXPERTISE

Product	Full-stack engineering from database through API to UI, with a focus on quality and scale
Distributed Systems	Real-time infrastructure, event-driven architecture, durable execution, and stateful edge compute
Blockchain & Web3	Cross-chain wallet products, DeFi primitives (perps, swaps, earn), on-chain systems at scale
Technical Leadership	Incident ownership, mentoring, cross-team coordination, and driving technical direction
AI & Compound Engineering	Daily use of LLM-powered tools and agentic workflows to dramatically accelerate delivery

Technologies: React, TypeScript, Next.js, Node.js, Python, PostgreSQL, EVM, Solana, Rust, Go, gRPC, tRPC, Cloudflare Workers, AWS, Kafka, Docker, OpenAI, Langchain, Cursor, Claude

EXPERIENCE

Senior Engineer — Apr 2024 - Present
LabEleven — Large Australian Crypto Company — *Melbourne, VIC / Sydney, NSW*

Core engineer on a non-custodial cross-chain crypto super app spanning wallet, swaps, bridges, perps, and earn. The platform scaled from ˜100 to 500k+ users and reached a valuation above $150M.

- Owned critical wallet balance and asset metadata systems where correctness and uptime are directly tied to user trust.
- Implemented passkey-based authentication, enabling passwordless onboarding and improving security and conversion for non-crypto-native users.
- Built a fantasy crypto card game end-to-end (backend, smart contracts, frontend, and launch operations) that reached 80k daily players. Designed the underlying distributed game engine using Cloudflare Durable Objects with per-user state and real-time leaderboard coordination.
- Built incentive campaign infrastructure (loot boxes and raffles) using persisted randomness, idempotent durable execution, and ledger-backed reward accounting.
- Drove technical direction, owned incidents end-to-end, mentored engineers, and coordinated across product and operations.
- Leveraged AI-assisted development workflows (Cursor, Claude) to dramatically accelerate delivery across the stack.

Software Engineer to Senior Consultant — Apr 2021 - Apr 2024
Deloitte — Illuminate — *Melbourne, VIC*

Progressed from graduate to senior consultant across a supply chain analytics platform, taking on increasing ownership of delivery, architecture, and team leadership. Includes an extended leave for a working ski season in Whistler, BC (Oct 2023 – Mar 2024).

- Led delivery of a NextJs web application end-to-end, from architecture through to stakeholder demos for audiences of 30+.

- Designed and built a multi-modal LLM chatbot using Langchain, Weaviate, and OpenAI to answer questions over source documents.
- Contributed to open-source software ([Langchain PR](#)).
- Led a team of engineers, managing task assignment, mentoring, and delivery planning.
- Implemented graph traversal algorithms in PostgreSQL and maintained CI/CD pipelines across the platform.

Software Engineering Internships   Nov 2019 - Feb 2020
ANZ + Deloitte Platform Engineering   *Melbourne, VIC*

- ANZ: Integrated Apache Kafka with Avro payloads and Confluent Schema Registry into a Python-based application migration controller.
- Deloitte: Full-stack development in Java and Spring Boot; wrote unit tests and authored feature design documentation.

EDUCATION

Bachelor of Science (Mechatronic Systems), Melbourne University   2017 - 2020
Diploma of Computing, Melbourne University   2017 - 2020
First class honours average across both degrees. A combination that developed strong systems thinking, mathematical foundations, and broad software engineering skills.

HOBBIES AND INTERESTS

Interests   Gaming, anime, coding, comics, movies, birds
Hobbies   Gaming, futsal, gym, cooking, snowboarding, hiking