

Results-driven Senior Software Engineer with 7 years of experience crafting scalable, high-performance interfaces. Proven track record of owning end-to-end systems, driving UX innovation and leading teams in fast-paced startup environments. Adept at solving complex challenges with modern tooling, mentoring talent, and delivering measurable business impact - passionate about building products users love.

- **Frontend:** React, React Native (Expo), TypeScript, Next.js, Zustand, Redux, Angular, Tailwind, Sass, Vite, Jest, Playwright, Cypress, Storybook
- **Backend:** Node.js (Express, Bun), NestJS, Java (Spring Boot), Kotlin, Go, GraphQL, PostgreSQL, MySQL, Kafka, BullMQ, SNS/SQS

Ailo (*Sep 2025 – Present*)**Senior Software Engineer**

- Architecting and maintaining services processing \$100 million (30 million requests) per day and optimising database performance scaling approaching billion row tables.
- Building pixel-perfect React Native (iOS, Android, Web) screens in parallel from Figma designs with Codex computer use and browser control. Includes agents performing iOS simulator testing, automated regression testing, screenshots and video recordings before human review is required.
- Orchestrating agent-led ORM migrations (Drizzle ORM) across 50,000 LoC production services in one week with zero production regressions. Improved worst-case request latency by 25% (200% for large list queries) while replacing the legacy ORM with a strongly typed implementation that reduced AI context requirements and accelerated future engineering work.
- Internal Slack bot that performs coding work or answers questions on any company repository. Automatically fed into Sentry, Grafana and pganalyze alerts which raise pull requests on findings. Prevents hundreds of hours of engineering context switching and allows non-technical members to also have questions answered reliably without consulting an engineer.
- Built the shared agent foundation used across engineering (30+), including repository-aware coding patterns, reusable agent skills, execution hooks and quality guardrails that enforce company architecture, testing expectations, and coding standards. Improved reliability of AI-generated changes while reducing engineer review effort and corrective iterations.

GLX Digital (*Jan 2025 – Sep 2025*)**Senior Software Engineer**

- Architected AI-powered frontend features with React, TypeScript and AWS Bedrock, enabling intelligent form autofill, entity contextual awareness, dynamic filtering on system entities and providing deep insights into customer data dispensing real-time cost-saving suggestions such as adjusted vessel speeds to reduce fuel costs, arrival ETAs and estimated port wait times.
- Implemented observability pipelines using Braintrust. Automated regression testing, benchmark datasets, experiment tracking and quality scoring that detect output regressions and validate prompt, model and workflow changes before deployment. Increased output reliability and prevented model regressions from reaching users.
- Transformed a monolithic notification service into a modular, asynchronous system using BullMQ, enabling fire-and-forget delivery and retrievable messages, cutting query response times by at least 30% and enhancing code readability by distributing logic across entity-specific services. Integrated Datadog for robust logging and tracing, simplifying issue resolutions.
- Played a pivotal role in establishing an offshore development team, assisting the engineering manager with technical interviews, designing onboarding processes, and mentoring 5+ remote engineers to accelerate team ramp-up and enhance code quality.

Bankwest (*Feb 2023 - Jan 2025*)**Software Engineer**

- Led the adoption of a micro-frontend architecture using Angular and TypeScript across 4 teams, enabling independent deployments for broker-facing products and reducing merge conflicts by 60%. This accelerated release cycles in a high-stakes banking environment.
- Optimised performance of broker portal applications with lazy loading and code splitting, cutting initial load times by 40% and achieving Lighthouse scores of 95+ for critical workflows serving thousands of brokers daily.

- Revamped a major UI component library with Tailwind CSS and Storybook, enforcing bank-grade design consistency and slashing frontend delivery time for a team of 20+ engineers working on broker tools.
- Designed fault-tolerant Java microservices powering a broker-facing banking portal, ensuring 99.9% uptime for over 1 million users while meeting enterprise reliability standards.
- Mentored multiple graduate developers on rotation, accelerating their ramp-up and doubling feature output within 6 months.

EXTAG (Jan 2022 - Feb 2023)

Software Engineer

- Engineered a custom offline-first sync mechanism for the system using Service Workers and IndexedDB, enabling seamless functionality in low-connectivity environments and boosting user retention for field technicians.
- Built a real-time asset dashboard with React and Mapbox, becoming the app's flagship feature and transforming user interaction with asset data.
- Slashed certain API response times by 80% via query optimization, enhancing the experience for 1000+ daily users.
- Mentored 2 junior engineers to promotion, increasing team output through pair programming and best-practice training.

ContextGG (Oct 2019 - Jan 2022)

Software Engineer

- Engineered React features with Redux, improving code modularity and reducing render times while collaborating closely with senior developers to adopt best practices, such as memoization, virtualisation and debouncing.
- Coordinated a user onboarding revamp with product and design, dropping churn rates by 25% in 3 months.
- Enhanced payment systems with Node, GraphQL, and Stripe ensuring secure, scalable transactions.
- Built a reusable component library from scratch, shortening feature development and unifying UX across the platform.

Bachelor of Computer Science

Edith Cowan University, 2019 - 2022

Projects

No Ops

React, Go, GraphQL, Docker, AWS

- Assisted in innovating new patterns & practices for Platform Engineering by building a DevOps abstraction tool which enabled teams to deploy cloud resources with less manual setup and better consistency.
- Collaborated closely with the AWS Startup program and solution architects to leverage cutting-edge resources and expertise.
- React based frontend with live websocket updates, Go-based backend using event sourcing and CQRS. GraphQL API, Go-based CLI for pipelines and power users.