

Qitong (Tong) Lan

Full-Stack Software Engineer | TypeScript/React | Node.js | Java/Spring Boot

Perth, WA | Full Australian working rights | +61 478 572 160 | qitonglan@gmail.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Hands-on full-stack software engineer with 8+ years of commercial experience delivering backend-heavy web products for cloud billing, game operations, and telecommunications. Combines TypeScript/React/Next.js and Node.js product delivery with Java/Spring Boot backend depth, REST and GraphQL APIs, relational data, authentication, testing, and cloud deployment. Completed a Master of Information Technology at the University of Western Australia in 2025 while continuing to build and operate LetLetMe, a real-time platform used by 800+ users.

CORE TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Java
Frontend	React, Next.js, HTML/CSS, Tailwind CSS
Backend	Node.js, Spring Boot, REST APIs, GraphQL, microservices, Kafka
Databases	SQL, PostgreSQL, MySQL, Redis, data modelling, query optimisation
Cloud	AWS, Docker, Terraform, Linux, Vercel, Cloudflare, Jenkins, GitHub Actions
Engineering	Authentication, API integration, data workflows, automated testing, CI/CD, code review, production support

WORK EXPERIENCE

Senior Software Engineer

December 2021 - June 2023

China Telecom Cloud Technology Co., Ltd. | Guangzhou, China

- Delivered end-to-end billing features as one of three senior engineers on a distributed cloud program, while guiding three junior engineers within the workstream.
- Built React interfaces and versioned REST/Node.js services that let customers and operations teams review usage, account, billing, and invoice information.
- Developed Java/Spring Boot microservices that converted cloud-product usage into calculated charges, discounts, customer bills, and invoice-ready data.
- Implemented Kafka-based event processing to support reliable asynchronous workflows across distributed billing services.
- Worked with the architect, project manager, product stakeholders, and engineering teams to translate billing rules into product changes, review code, and resolve production issues.

Senior Software Engineer

January 2018 - December 2021

NetEase Games | Guangzhou, China

- Built Java/Spring Boot services and JavaScript web applications for VIP engagement and game-operations products serving hundreds of thousands of customers.
- Automated ticket creation, engagement, and user-segmentation workflows used by operations teams across 50+ games.
- Implemented authenticated user flows, secure REST APIs, and dashboards for workflow state, support history, and customer communication records.
- Maintained Jenkins CI/CD pipelines and supported AWS deployments for globally distributed operations systems.
- Resolved production defects and worked with QA, product, and operations teams to improve reliability throughout agile delivery cycles.

Junior Software Engineer

July 2014 - January 2018

China Telecom Corporation Limited | Guangzhou, China

- Developed Java/Spring Boot CRM components for order processing, billing, customer management, and account provisioning across provincial telecommunications services serving millions of users in Guangdong.
- Improved system performance and maintainability through SQL optimisation, defect resolution, and refactoring of legacy service logic.
- Supported daily maintenance and troubleshooting for high-traffic telecommunications services, following team standards for testing and deployment.

PROJECTS

LetLetMe FPL Platform [Live](#) | [Case study](#)

April 2020 - Present

Next.js, TypeScript, Bun, Elysia.js, GraphQL, PostgreSQL/MySQL, Redis, Cloudflare, Vercel

- Built and operate a real-time Fantasy Premier League analytics and tournament platform used by 800+ users across web, WeChat Mini Program, and companion integrations.
- Designed scheduled ingestion, live data synchronisation, scoring workflows, and Redis-backed caching to turn fast-moving external data into responsive analytics and tournament features.
- Implemented REST and GraphQL services backed by PostgreSQL/MySQL and Redis, with automated tests and GitHub Actions CI/CD across backend services.
- Deployed and operate web, API, and data-processing components across Vercel, Cloudflare, VPS services, and Docker.

Vehicle Operations & Compliance Platform

2025

Next.js, TypeScript, Better Auth, Drizzle ORM, PostgreSQL, Supabase, Vercel

- Built and deployed a role-secured platform that centralises vehicle, driver, inspection, agreement, signature, document, and compliance workflows.
- Enforced organisation-aware access for admin, manager, inspector, and viewer roles using Better Auth, server-side permission checks, and Zod validation.
- Implemented multi-step inspections and agreements, reusable templates, digital signatures, supporting-file storage, audit records, and administrative email configuration.
- Separated API routes, service-layer business logic, and Drizzle/PostgreSQL data access, with schema migrations and deployment through Supabase and Vercel.

CERTIFICATIONS & PROFESSIONAL CREDENTIALS

- [AWS Certified Solutions Architect - Associate](#) (2025)
- [AWS Certified Cloud Practitioner](#) (2025)
- ACS Skills Assessment: Analyst Programmer, Software Engineer, Developer Programmer

EDUCATION

The University of Western Australia

July 2023 - July 2025

Master of Information Technology

Hunan University

July 2010 - June 2014

Bachelor of Engineering in Electronic and Information Engineering