

JOB CHONG

Software Engineering | Singapore | jobchong@gmail.com | jobchong.org

Summary

Staff-level software engineer with 8+ years of experience leading teams to build secure, reliable and highly-performant systems in regulated domains. I design and ship full-stack products end-to-end, with a focus on safety, performance and robustness. Recent work includes modernising trading and analytics tooling in financial services and building consumer-facing payments services.

Core Skills

Safety-critical & compliant systems: risk/controls, auditability in financial and enterprise environments;
Systems & platforms: distributed services, real-time data, API design, caching, observability, autoscaling;
Product engineering: UI, accessibility, staged rollouts, A/B experimentation and telemetry-driven iteration;
Tooling & enablement: CI/CD, test strategy, code review quality, internal libraries, developer experience;
Languages & tech: TypeScript/JavaScript, Golang, Python, Java, SQL, Bash; React, Node.js, AWS, Docker, Kubernetes, Redis, Postgres, Datadog, Grafana, Elasticsearch.

Experience

JPMorgan — Lead Software Engineer (VP)

2023–Present

- Leads multiple engineering squads modernising trading tools and analytics platforms with TypeScript/React front-ends and Golang/Java back-ends, delivering ~80% reduction in LOC and 35–50% faster builds and deployments.
- Designed and implemented resilient, observable services for real-time risk and pricing data, including back-pressure handling, circuit-breaking, structured logging, metrics and alerting to meet stringent availability and latency SLOs.
- Owned, designed and deployed a LLM-powered summary product for back-office staff to generate content for fund reports and sales pitches, reducing time-to-result by one hour per document.
- Introduced common libraries and templates (authn/z, data-access, caching, feature flags) that standardised patterns across teams and reduced new-service bootstrap time from weeks to days.
- Mentored senior and mid-level engineers on system design, performance profiling and incident response; drove design reviews and RFCs for cross-team architecture decisions.

Grab — Software Engineer

2021–2023

- Developed full-stack features for high-traffic consumer and internal ops tools using TypeScript/React, Golang and gRPC/REST services, with a focus on reliability and clear operational runbooks.
- Implemented experiment frameworks, instrumentation and dashboards to evaluate product changes end-to-end (user behaviour, latency, error rates), enabling data-driven iteration.
- Contributed to shared UI components and service templates that improved consistency and reuse across teams, and reduced regression risk via stronger typing and test coverage.
- Collaborated with data science and analytics teams to expose reusable services and data access layers, enabling new models and analyses without bespoke engineering for each project.

Legalese — Full-Stack Developer

2017–2021

- Built a document-automation and legal-tech platform with a React front-end and AWS-hosted Node.js/Python services to support complex legal workflows.
- Designed reusable services and SDKs for internal and external use, improving development speed and consistency across projects.

Education

National University of Singapore — LL.B (Hons)

International Baccalaureate — 41 points

Gifted Education Programme — 2001–2007