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OBJECTIVE

Staff Engineer / Technical Lead with 12+ years across **backend, web and mobile**, building and shipping products end to end. Recent work centers on **microservices, Event-Driven Architecture (DDD, Kafka, Event Store DB)** and **Kubernetes-based infrastructure**, alongside supporting several squads on architecture and delivery. Looking for a **hands-on senior individual contributor** role focused on system design, technical direction, and mentoring engineers.

PROJECT HIGHLIGHTS

CRM & HMS — Monolith to Microservices

On the old monolith every team shared one deployment, so releases queued behind each other, and peak enrolment season could only be absorbed by scaling the entire application. Led an **18-month** migration of both core systems, split by **business sub-domain** rather than by team ownership, peeling out one bounded context at a time and **dual-writing** during each cut-over so the live system stayed stable throughout. Events are published to **Event Store DB** instead of the application's **Kafka**, so long-running data pipelines can consume at their own pace without affecting the app's consumers. Ended with **50+ services across ~20 bounded contexts**, teams deploying independently, and per-service autoscaling that cut infrastructure cost at peak season.

Real-Time Reporting Pipeline — MindX

Sales and customer-service reporting ran as a **daily batch** that failed often and had to be re-run by hand, so revenue, order-volume and response-time figures reached the business late — and decisions waited on them. Rebuilt it as a streaming pipeline: **Kafka** events aggregated by **Apache Spark** as they arrive. Handles **500k–1M events/day** with figures available in **~1 minute** instead of the next day.

MindX Connect — Internal CRM Mobile App

Sales and CS staff could only work in the desktop CRM, which was unusable on a phone, and had to be at the office to call customers. Led development of a **Flutter** app for **iOS and Android** — the team's first mobile product, so architecture, tooling and the **App Store** release process were built from scratch. Reached **~95% adoption** among **300+ Sales and CS staff**, cutting customer response time by **~35%**.

WORK EXPERIENCE

MindX Technology School

Staff Engineer | April 2022 – Jan 2026

- **Technical Leadership:** Architecture reviewer and technical point of contact across **5 squads**, keeping design decisions consistent between services and **DDD / Clean Architecture** conventions applied through guidelines and regular reviews.
- **Frontend Architecture:** Built the **React / Next.js** foundation on the **MVVM** pattern - layering, module conventions and reference implementations - and reviewed the squads' frontend code.
- **Infrastructure & DevOps:** Introduced **Docker and Kubernetes (K8s)** and standardized **CI/CD pipelines (Azure DevOps)** with **SonarQube quality gates**, moving releases from **once a month to continuous delivery**.
- **Cross-Platform:** Set the technical direction for the **Mobile App Compass**, choosing **Capacitor** for cross-platform delivery.
- **Observability & Incident Response:** Worked on the team's **ELK** and **Grafana** setup to trace issues across services, using logs and dashboards for root-cause analysis and performance tuning.
- **Mentoring:** Mentored Tech Leads, reviewed code and architecture, and ran internal tech talks.

OpenCommerce Group

Technical Lead | Nov 2020 - Nov 2021

- Rebuilt the merchant **OAuth** flow and retro-fitted it onto the platform's non-standard auth without breaking live merchants; owned merchant & shop management, the merchant dashboard, and partner-integration services for **ShopBase / PrintBase**, a **global e-commerce SaaS platform**.
- Built Growth Products with **Golang, PHP (Symfony), Node.js, and Vue.js**.
- Kept quality up through **code reviews**, performance optimization, and regular tech-debt cleanup.
- Worked with DevOps to adjust and standardize **CI/CD pipelines** after platform updates.
- Led a team of **5+ developers**: technical guidance, task assignment, and progress tracking.
- Turned Marketing/Growth requirements into deliverable tasks and tracked them with **Scrum/Agile**.

Mytour.vn

Team Leader | Aug 2016 - April 2020

- Led a cross-functional team of **10+ developers and testers**, building features with **PHP, Node.js, ReactJS, and GraphQL**.
- Worked on the development and upgrade of the core **Mytour.vn** website, focused on performance and new functionality.
- Researched and introduced new technologies into the platform where they solved a concrete problem.
- Managed the infrastructure and monitored system stability.
- Handled interviewing, performance reviews, and mentoring; tracked delivery with **Scrum/Agile**.

QueenB Joint Stock Company

Fullstack Developer | Sep 2015 - July 2016

- Converted design files (PSD/AI) into semantic **HTML/CSS**, and built back-end features with **CodeIgniter**.
- Built and customized websites on **WordPress**, working front-end to back-end in a small team.

Y TUONG VIET Joint Stock Company

PHP Developer | June 2013 - Feb 2014

- Built custom web solutions and an in-house **CRM system** on the company's core platform.
- Handled bug fixes, client-facing technical support, and the company's hosting and domain resources.

SKILLS

Software Architecture & Design

- **Architecture:** Domain-Driven Design (DDD), Clean Architecture, Event-Driven Architecture (EDA), MVVM (frontend), SOLID, Design Patterns.
- **System Design:** Microservices, Distributed Systems, Scalability & Performance.

Security & Quality

- **Security:** OAuth 2.0 / OIDC, JWT, API security, secure coding practices (OWASP).
- **Testing:** Unit, integration and API testing (Testify, Vitest); code review standards and quality gates.

AI-Assisted Engineering

- Built a remote **MCP (Model Context Protocol)** server - TypeScript, **OAuth 2.1**, Redis - exposing scoped operational tools to AI agents, with guardrails for destructive operations; custom Claude Code / Codex skills and subagents keeping AI output aligned with team conventions.

Leadership & Strategy

- **Technical Strategy:** Roadmap Planning, Technical Risk Assessment (De-risking), Technology Selection.
- **Team Leadership:** Mentoring, Performance Review, Cross-functional Collaboration, Agile/Scrum.
- **Stakeholder Management:** Translating technical concepts for business stakeholders, aligning engineering with business goals.

Programming Languages & Frameworks

- **Backend:** Node.js (NestJS), Golang, Java (Spring Boot), PHP (Laravel, Symfony), Python.
- **Frontend:** React.js, Next.js, TypeScript, Vue.js.
- **Mobile:** Flutter (iOS & Android), React Native, Capacitor.

Data & Infrastructure

- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Event Store DB.
- **Big Data & Messaging:** Apache Spark, Kafka, RabbitMQ, RocketMQ.
- **DevOps:** Docker, Kubernetes (K8s), Helm, CI/CD (GitLab, GitHub Actions, Azure DevOps).
- **Observability:** ELK stack (log aggregation & search), Grafana dashboards, monitoring & incident response; OpenTelemetry on Azure Monitor (evaluated).

EDUCATION

THANH DO UNIVERSITY

Information and Technology | 2009 - 2014

LANGUAGES

- **Vietnamese:** Native.
- **English:** Technical reading and written communication.

PUBLIC SPEAKING & CONTRIBUTIONS

- **Laravel Meetup Việt Nam (Hà Nội), 7/2022** - Giải Pháp Scaling, Triển Khai Hệ Thống Lớn, Micro Services Và Các Bài Toán Tối Ưu CSDL.
- **NVM Cafe Tech Talk, 7/2023** - Từ hiểu Microservice Architecture đến triển khai trên production.