

To Hoang Long / Brian

Principal Fullstack Engineer / Technical Leader

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Technical Leader with 15 years of experience specializing in high-scale microservices, Micro-Frontend (Micro FE), and scalable cloud architecture (AWS, Kubernetes). Proven leader of 15+ engineers, responsible for driving technical excellence and delivering performance optimizations that **scaled concurrent users by 8x** and improved system reliability. Expertise includes strategic AI/ML integration for system and team efficiency.

TECHNICAL SKILLS

Backend: Node.js ecosystem (Bun, Deno, TypeScript, Express, Fastify, NestJS, Hapi, Hono, tRPC, Socket.IO, Apollo Server), Python ecosystem (Django, Flask, FastAPI), Persistence/ORM (TypeORM, Prisma, Redis, MongoDB, SQLAlchemy), Java (Spring, Play, Maven), Microservices, Pub/Sub (Kafka, RabbitMQ), Caching (Redis/Mem/Varnish Cache), Elastic Search, Auth (Passport.js, Auth0, Clerk)

Frontend: Micro FE, Modern Frameworks (NextJs, Reactjs, Vuejs, Vuex, Pinia), TypeScript, Styling (Material UI, Ant Design, Tailwind), Graphics (ThreeJs, FramerMotion), State Management (Zustand, Redux, Recoil), Build Tools (Webpack, Vite, Rollup, Esbuild, SWC, Rspack/Rsbuild).

Mobile: React Native, Expo, React Query, Apollo.

Database: SQL (MySQL, PostgreSQL, MSSQL, LiteSQL), NoSQL (MongoDB), Cloud (Firebase, Supabase).

DevOps: CI/CD, Containerization (Docker, Kubernetes), Cloud (AWS, DigitalOcean), Infrastructure as Code (Terraform), GitOps (ArgoCD), Feature Flags, GitHub/Gitlab/CircleCI Actions.

AI: Generative AI (ChatGPT, Claude, Gemini), Retrieval-Augmented Generation (RAG, Qdrant, ElasticSearch), Large Language Models (LLM), LangChain, LlamaIndex, CursorAI.

Architect: Microservices, Micro FE, Clean Architecture, Design Patterns, Domain-Driven Design, SOLID Principles.

Payment: Stripe, PayPal, In-App Payment.

Quality Control: Unit Test, Integration Test, Automation Test (Cypress, Playwright), Code Review.

Operations: Monitoring/Logging (Sentry, Log Rocket, New Relic, Data Dog, Kibana, Grafana), Analytics (Google Analytics, Google Lighthouse, Facebook/TikTok pixel).

Project Management: Agile, Kanban, Leadership, Critical Thinking.

Architect: Microservices, Micro FE, clean architect, design pattern, feature slice pattern, Domain-driven design, SOLID principal

EXPERIENCES

Money Forward — Principal engineer, Lead cross-border team — Jun 2021 - present

Money Forward is a financial corporation with a lot of products in finance for B2B and B2C clients

Responsibilities:

- Led a cross-functional team of 15+ engineers across Vietnam, Japan, and India, successfully **standardizing technical solutions in MoneyForward**, including Micro-FE, Feature Flags, and UI component standards, across the entire corporation.
- Applying AI IDE (CursorAI, AntiGravity, ClaudeCode) in development, developed AI tools (MCP, Agentic AI, Skill AI, GPT app) and Integrated MML (ChatGPT, Claude, Gemini, Notebook LLM) into the development workflow, **boosting team productivity by 30%** through automated code generation, unit tests, create PR, reviewing, and documentation.
- Applied RAG/LLM models (Qdrant, ChatGPT, ...) into the product to create a help chatbot/assistant; analyzed accounting statements to create accounting reports; analyzed user feedback, directly informing design decisions, and significantly improved product UI/UX; developed an accounting GPT app and published on the GPT store
- **Reduced post-shipment defects by 15%** by implementing a Shift Left Testing strategy, paired with mandatory code reviews and **90%+ unit test coverage**, ensuring high code quality and enabling a daily product release cycle.
- Oversaw the migration of complicated business logic applications from a legacy stack to a modern Microservices/ Micro-FE architecture (GraphQL/React), improving data fetching efficiency and developer experience for new features.
- Designed and delivered high-reliability microservices by implementing idempotent API endpoints and ACID-compliant database operations for new solutions (e.g., Consolidation/Asset Accounting).
- Directed the creation of the tech stack, roadmap, project framework, and CI/CD environment for new solutions, ensuring successful integration with the existing MoneyForward ecosystem
- Managed all aspects of team leadership (hiring, onboarding, evaluation, training) and project execution (requirements analysis, solution suggestion, task estimation, assignment), while fostering a culture of transparency and growth for members.

Techstacks:

- Frontend:
 - MicroFE, Monorepo, WebComponent, SWC, Rsbuild, Vite, Chromatic, Storybook, OpenAPI, GraphQL
 - ReactJs, NextJs, ReactHookForm, Zustands, Typescript, FramerMotion, Material UI, Ant Design, Jest, Vitest, Passport.js, Auth0, Clerk, Zod, Yup, Joi
 - VueJs, NuxtJs, VueX, Pinia
- Backend:
 - Node.js, Bun, Deno, Express, Fastify, NestJS, Socket.IO, Hapi, Hono, TypeORM, tRPC, Junit, Prisma, Apollo Server
 - Go, Gin, HttpTest, Testify, Gomock, Testcontainers-go, Flyway
 - PostgreSQL, MySQL, MongoDB, Firebase, Supabase, Kafka, Redis, Elastic Search, Qdrant
 - Python, FastApi, Pytest, Pytest-mock, Pytest-cov
- AI: IDE (Cursor, Antigravity, Claude Code), RAG (Qdrant, ElasticSearch), LLM (ChatGPT, Claude, Gemini, Notebook LLM), Ollama, Extensions (MCP, Agentic AI, Skill AI, GPT app)
- Cloud: DataDog, Grafana, CircleCI, Github, AWS, Docker, K8S,...

Crossian — Technical Leader / Founder Engineer — Oct 2019 - Jun 2021

Crossian is a startup e-commerce company providing cross-border sales solutions with thousands of partners and millions of customers

Responsibilities:

- Scaled the e-commerce platform's core infrastructure (Kafka, MongoDB) to support an **8.5x increase in concurrent users (from 3,500 to 30,000)** and a **7x increase in order volume (from 7,000 to 50,000)**.
- Integrated deeply with shipping provider APIs for real-time tracking, which significantly reduced shipping errors (lost/wrong/delayed packages) and **minimized customer disputes** on PayPal, safeguarding the company's payment credit rating.
- Diagnosed and resolved critical memory leaks in the legacy system, **eliminating weekly server crashes** and restoring platform reliability.
- Architected and delivered a cross-border dropshipping platform, successfully upgrading the core system to serve millions of users and integrating a Pub/Sub solution (Kafka) for robust order processing.
- Managed and trained the development staff, overseeing the entire project lifecycle, including requirement analysis, task estimation, project scheduling, and ensuring code quality through mandatory code reviews.
- Collaborated closely with distributed teams and US-based stakeholders in a remote-first environment.

Techstacks:

- Frontend: NextJs, NuxtJs, OpenAPI, Zustands, Typescript, ReactHookForm, SWC, ThreeJs, FramerMotion, Passport.js, Auth0, Clerk, Zod, Yup, Joi
- Backend:
 - Node.js, Express, Fastify, NestJS, Socket.IO, Hapi, Hono, TypeORM, Redis, RabbitMQ, Kafka, Junit, Prisma, Apollo Server, tRPC
 - Python, Pytest, Pytest-mock, Pytest-cov
 - Redis, Kafka, Elastic Search, MySQL, PostgreSQL, MongoDB, Firebase, Supabase
- Cloud: DataDog, Grafana, CircleCI, Github, AWS, Docker, K8S,...

Niteco — FullStack Developer — Sep 2014 - Oct 2019

Niteco is a Swedish outsourcing company, specializing in making products for European companies.

Responsibilities:

- Spearheaded the company's Frontend technology shift, elevating the technical expertise of all engineers by migrating from jQuery to modern frameworks (React/Angular/Vue).
- Drove technical innovation by consistently researching new technologies, creating Proof of Concepts (POCs), and proposing optimal solutions to Project Managers (PMs).
- Designed and implemented high-performance Authentication Microservices, utilizing RabbitMQ for Pub/Sub architecture across various products.
- Completed and launched a major project 2 months ahead of schedule by optimizing the Agile workflow and leveraging full-stack development capabilities.
- Contributed to team growth through candidate interviews and formal mentorship, leading to the **Best Mentor of Niteco Young Talent Program (Sep 2017) award**.
- Developed complex applications, including CMS, SPAs (React/Angular/ThreeJs), retail shops, and mobile apps (React Native), while configuring core OAM/Gateway systems.

Techstacks:

- Frontend: ReactJs, Angular, Vue, OpenAPI, Redux, Typescript, Webpack, Rollup, ThreeJs, FramerMotion, Passport.js, Auth0, Clerk
- Mobile: React Native, React native elements, React Navigation, React Query
- Backend:
 - Node.js, Express, Fastify, NestJS, Socket.IO, TypeORM, Prisma
 - Java, Spring / SpringBoot, Hibernate, Java EE, Junit, Mockito, AssertJ, Spring Boot Test, TestContainers, Selenium, Maven, Play
 - Redis, RabbitMQ, Kafka, Elastic Search, MySQL, PostgreSQL, MongoDB, Firebase
- Cloud: DataDog, Grafana, CircleCI, Github, AWS, Docker, K8S, ...

FPT — Backend Developer, Team leader — Jun 2011 - Sep 2014

FPT is a Vietnamese outsourcing company that makes products for global companies.

Responsibilities:

- Led a small development team, managing project progress, resolving technical issues, and ensuring the timely delivery of customer-facing features.
- Improved device and system performance through dedicated research and implementation of optimized algorithms.
- Streamlined the development process by implementing mandatory unit testing, thorough code reviews, and accurate time estimation.
- Collaborated closely with Project Managers (PMs) and Technical Leads (TLs) to proactively suggest technical solutions and architecture improvements.

Techstacks:

- Frontend: HTML, CSS, JQuery,
- Backend: Java, Spring / Spring Boot, Hibernate, Java EE, Maven, Junit, Mockito, AssertJ, Spring Boot Test, TestContainers, Selenium, MySQL, PostgreSQL

EDUCATION

Jun 2006 - June 2011: Bachelor of Software Engineering Degree

Hanoi University of Science and Technology (HUST) — HEDSPI program

Jun 2003 - June 2006:

High School for Gifted Students, Hanoi National University of Education

CERTIFICATES & AWARDS

Mar 2022: MFV Professional Award for Standardized micro FE solution for MoneyForward

Sep 2017: Best Mentor of Niteco Young Talent Program

Jul 2011: Foundation Software Engineer certificate of VITEC & JITEC

Jul 2011: TOEIC certificate of London English Centre

Feb 2010: Japanese 3 Kyuu certificate of JF & JEES (Japan)

SOFT SKILLS

Leadership, clear communication, conflict resolution, community building, team building, strategic thinking, mentorship and coaching, cross-functional collaboration, technical vision, critical thinking.

LANGUAGES

English: advance

Japanese: basic