

NGUYEN VIET HOANG

Fullstack Developer

Email hoangnguyen1157@gmail.com
Phone 0964 815 302
Location Ho Chi Minh City, Vietnam

OBJECTIVE

4th-year Software Engineering student at Industrial University of Ho Chi Minh City (IUH) with over one year of hands-on fullstack development experience on an enterprise AI Agent platform (M-Agent / MOSA) for the Japanese market. Seeking a Fullstack Developer role to leverage my expertise in React, TypeScript, Go, Python, and Agile workflows to deliver production-grade features and grow as an engineer.

EDUCATION

Industrial University of Ho Chi Minh City (IUH)

2023 — Present

B.Eng. in Software Engineering — 4th Year Undergraduate

- GPA: 3.19 / 4.0
- Relevant coursework: Data Structures & Algorithms, Web Programming, Database Systems, Operating Systems, Computer Networks, Software Engineering.

TECHNICAL SKILLS

- **Frontend:** React 19, Next.js 15, TypeScript, JavaScript (ES6+), Vite, Tailwind CSS v3/v4, Zustand, TanStack React Query, React Router, Radix UI, Framer Motion.
- **Backend:** Go (Golang), gRPC, Protobuf, Hono (TypeScript), Python (FastAPI), REST API, microservices architecture.
- **Libraries:** XYFlow (workflow diagrams), Recharts, ApexCharts, TipTap, Milkdown, DnD Kit, FullCalendar, Mermaid, KaTeX, Lexical editor.
- **DevOps & Tools:** Docker, GitLab CI/CD, Git, Husky, ESLint, Prettier, Vitest, Sentry, commitlint.
- **Project Management:** Jira, GitLab (Issues, Merge Requests, CI/CD pipelines), Agile / Scrum.
- **Other:** i18next (Japanese / English / Vietnamese), PDF.js, AI SDK (@ai-sdk/react), OAuth2, WebSocket, Zod, React Hook Form.
- **Languages:** English (technical documentation proficiency), Japanese (working-level communication with Japanese partners).

PROFESSIONAL EXPERIENCE

Fullstack Developer — HDC Flowtech

2025 — Present

M-Agent (MOSA) — Enterprise AI Agent & Workflow Automation Platform for the Japanese Market

- Developed frontend for three modules — Admin Console, User Portal, and Superadmin Dashboard — using React 19, TypeScript, Vite, and Tailwind CSS, backed by 2,000+ unit tests.
- Built backend services in Go (gRPC/Protobuf), Hono (TypeScript), and Python (FastAPI), handling connector management, credit management, and workflow orchestration.
- Developed a visual Workflow Builder (XYFlow) enabling drag-and-drop automation pipelines connecting Gmail, Google Drive, Telegram, Zoho, Chatwork, Jira, and GitLab via OAuth2.
- Implemented Credit Management (BigInt precision, SVG dashboards, CSV export), Chat AI (streaming, file preview, scroll optimization), 2FA authentication, and i18n (Japanese/English) across all modules.
- Led a team of 2 developers: assigned tasks via Jira, reviewed merge requests, and mentored on frontend code standards.

- Managed CI/CD with GitLab pipelines, Docker, and Husky; maintained branching strategy (main/staging/dev) with tag-based release versioning. Tracked 340+ Jira issues (150+ resolved) and merged 100+ MRs across 8 repositories.

KEY PROJECTS

M-Agent (MOSA) — AI Agent Platform

2025 — Present

React 19 · TypeScript · Go · Hono · gRPC · Docker · GitLab CI/CD · 2,000+ tests

- An enterprise platform enabling companies to build AI-powered automation workflows connecting email, cloud storage, CRM, and messaging services.
- Role: Fullstack developer & Team lead (2 members) — frontend (Admin, User, Superadmin) and backend (Go + Hono services).
- Key contributions: Workflow Builder (XYFlow), Connector system (OAuth2, 7+ providers), Credit Management (BigInt precision, SVG charts), Chat AI (streaming, file preview, scroll optimization), 2FA authentication.
- Scale: 8 repositories, 100+ merged MRs, 340+ Jira issues, 2,079 frontend tests passing.

MRAG (Musashino) — RAG Knowledge Platform

2025 — 2026

Next.js 15 · React 19 · TypeScript · Python (FastAPI) · Tailwind CSS · Radix UI · DnD Kit

- A Retrieval-Augmented Generation platform with admin and user portals for managing knowledge collections, use cases, and AI chat.
- Role: Frontend developer for Admin UI, User UI, and Superadmin Dashboard.
- Key contributions: Hybrid Builder (Google Drive import, PPTX/Slides selection), File Manager (sharing, permissions, Supervisor roles), 2FA flows, Slide/Poster generation from chat, MCBuilder watermark settings, dashboard CSV export, i18n (JA/EN).
- Also built a lightweight embeddable chat widget (mrag-embed) using Preact and Vite for deployment to Google Cloud Storage.

ADDITIONAL INFORMATION

- Comfortable working in bilingual environments (Japanese/English) and collaborating directly with overseas partners.
- Strong emphasis on code quality: unit testing (2,000+ tests), mutation testing, code review, and adherence to FE code standards (max file size caps, one export per file, no deep cross-feature imports).