

Nguyen Hong Hai

Binh Thanh, HCM City • smilenotdev@gmail.com • 0334204526 • haismile.dev • github.com/haismile9 •
linkedin.com/in/smile9

Summary

Full-stack developer with 1+ year of experience in the PERN stack (PostgreSQL, Express.js, React, Node.js) and NestJS, with strong knowledge of Object-Oriented Analysis and Design, Database Design, and Design Patterns. Passionate about learning new languages and technologies; able to work independently, research and resolve technical problems, and take ownership of tasks.

Experience

Hoang Phuc Thanh Immigration & Trade Co., Ltd.

HCM City, Vietnam

Full-stack Developer

Sep 2025 – Present

CMMS – Multi-tenant Medical Equipment Platform

- Architected a multi-tenant CMMS platform (Turborepo, NestJS, React/Vite) adopted by 2 maintenance firms serving 36+ hospitals and clinics.
- Designed PostgreSQL schemas with Prisma ORM (50+ tables) and built REST APIs & WebSocket gateways with multi-tenant RBAC and JWT security.
- Developed complex frontend interfaces with React and Ant Design; implemented efficient data fetching/caching with React Query and global state management with Zustand.
- Integrated drag-and-drop workflows (dnd-kit), real-time UI updates via Socket.IO, and automated PDF report generation (React-pdf) with digital signature support.
- Set up CI/CD pipelines with GitHub Actions and Docker for automated self-hosted deployments, reducing deployment time by 50%.
- Maintained unit/integration/E2E test suites (Jest, Supertest); validated performance with k6, sustaining 250 req/s at p95 < 110ms with 0% errors under 200 VUs.
- Collaborated cross-functionally in an Agile/Scrum team, communicating with product and QA through sprint planning, stand-ups, and retrospectives.
- *Tech Stack:* TypeScript, NestJS, React (Vite), React Query, Zustand, Ant Design, PostgreSQL, Prisma ORM, Redis, WebSockets, MinIO S3, Docker, Turborepo.

Real-time Medical Device Management System – Express.js, MQTT, Socket.IO, React/ECharts

- Built a real-time telemetry pipeline with alerting and React/ECharts dashboards for device monitoring.

Front-end Developer

Jun 2025 – Sep 2025

Medical Equipment CRM & Inventory Management System – React, Material UI (MUI), RESTful API

- Built the Inventory Report feature with React/MUI, integrating RESTful APIs for real-time reporting with proper loading/error state handling.

Projects

LumiEyewear – E-commerce Eyewear Platform

lumieyewear.vn

- Developed a full-stack e-commerce platform (NestJS backend, React admin dashboard, Next.js storefront).
- Designed the PostgreSQL database schema and integrated MinIO S3 for scalable product image storage.
- Implemented Redis-based cart caching and background job processing with BullMQ; integrated the SePay payment gateway for online checkout.
- *Tech Stack:* NestJS, React, Next.js, shadcn/ui, PostgreSQL, MinIO S3, Redis, BullMQ, SePay.

Skills

Languages & Web:	JavaScript, TypeScript, HTML5, CSS3
Frameworks/Platforms:	Node.js, Express.js, NestJS, React, Vite, Next.js, Socket.IO
Frontend Libraries:	Ant Design, shadcn/ui, React Query, Zustand, dnd-kit, React-pdf
Database & ORM:	MS SQL Server, MySQL, PostgreSQL, Redis, Prisma, Firebase, MongoDB
Cloud & Infrastructure:	AWS, S3, EC2, RDS, MinIO S3, Docker, Docker Compose, CI/CD, Linux, Windows Server
API & Tools:	RESTful API, Swagger, Postman, Git, Cursor, Copilot, ChatGPT, Claude
Testing:	Jest, Supertest, k6
Methodologies:	Agile, Scrum, OOP, Dependency Injection, Repository Pattern, Singleton, Factory, Observer

Education

Van Lang Sai Gon College

Information Technology, GPA 3.17/4.0

Honors: Outstanding Student Award (2023 – 2024)

HCM City, Vietnam

Sep 2023 – Jun 2025

Certifications & Awards

- 3rd Prize – Altair Engineering Challenge 2025

Languages

English: Intermediate – Comfortable reading technical documentation and English-language codebases