

BÙI CHÍ THANH

WEB DEVELOPER

Mỹ Đình, Hà Nội, Việt Nam • (+84) 374 864 110 • hnaht13@gmail.com
LinkedIn: [linkedin.com/in/chithanhbuidev](https://www.linkedin.com/in/chithanhbuidev)

PROFESSIONAL SUMMARY

I am a Web Developer with **over 3 years of hands-on experience** building high-performance web applications and integrating **practical AI solutions** into production. My core strengths lie in scalable frontend architecture, UI rendering optimization, and conversational AI integrations (RAG pipelines, smart chatbots, SSE streaming, prompt tuning). I always focus on turning complex technical logic and business workflows into smooth, intuitive user interfaces that solve real-world problems.

EDUCATION & CERTIFICATES

FPT Polytechnic – Software Engineering | GPA: 3.2 / 4.0 01/2020 – 05/2023
English Certificate: TOEIC 750 2022

TECHNICAL SKILLS

Languages: TypeScript, JavaScript
Frontend: React, Next.js, Tailwind CSS, shadcn/ui, MUI, Framer Motion, Zustand, Redux Toolkit, React Query, Recharts, TanStack Virtual
Backend: NestJS, Node.js, Express, Prisma, TypeORM, BullMQ, WebSocket, Swagger (OpenAPI)
Database: MySQL, PostgreSQL, Neon DB, Upstash (Redis, Vector DB), SQLite (better-sqlite3), Cloudinary
DevOps & Build: Turborepo, Vercel, Render, Docker, AWS (S3), UptimeRobot, Git, Vitest, ESLint, Prettier, Husky
AI & LLMs: RAG, Claude, Antigravity, Google AI Studio Embeddings, Upstash Vector, Prompt & System Rule Tuning
Tools: Google Chat, Slack, Jira, Notion

WORK EXPERIENCE

SOTATEK – Frontend Web Developer 10/2025 – Present | Hanoi, Vietnam

- Architected modular frontend infrastructure in a **Turborepo monorepo**, standardizing shared UI systems (**MUI, shadcn/ui, Tailwind CSS**) and optimizing build pipelines across multi-team deliverables.
- Developed core features for the **Decathlon Value Participation Program (DVPP)**, implementing auth/login flows, user enrollment based on employee eligibility states, eSignature workflows, and multi-admin cross-validation interfaces.
- Built and refactored internal AI Chat applications using **Next.js, React, and NestJS**; optimized API communication and enforced structured JSON/Markdown response formatting.
- Overhauled chat UIs with **shadcn/ui & TanStack Virtual** for seamless large-thread rendering; tuned system rules and integrated SSE streaming for low-latency interactions.

FREELANCE – Web & AI Application Developer 2023 – Present

- Engineered modern web platforms including **ECM solutions integrated with smart AI Chatbot assistants**, product catalog recommendation systems, and automated customer support workflows.
- Developed customized trading bot dashboards and streaming media web apps (Flex-Film) leveraging **Next.js, shadcn/ui, Tailwind CSS, and Framer Motion**.
- Integrated dynamic chart visualization with **Recharts** and architected responsive, low-latency UI state management via **Zustand & React Query**.

VNEXT SOFTWARE – Web Developer 08/2023 – 09/2025 | Hanoi, Vietnam

- Initialized and configured frontend base source code using **Next.js and TypeScript**, enforcing strict code quality standards with **ESLint, Prettier, and Husky**.
- Developed dynamic, responsive web interfaces with **React, Tailwind CSS, and i18n**; managed asynchronous state using **React Query & Redux**.
- Audited and optimized Core Web Vitals and frontend rendering performance across multiple browsers and devices.
- Engineered backend API microservices with **Node.js (Express), TypeORM, Prisma, MySQL, and Redis**, containerized using **Docker** and integrated with **AWS S3**.

HIGHLIGHTED PROJECTS

Decathlon Value Participation Program (DVPP) – Frontend Web Developer Team size: 30 | Client: Decathlon

Technical Stack: React, Next.js, TypeScript, Turborepo, MUI, Zustand, React Query, eSignature

Responsibilities:

- Engineered user authentication/login workflows and tokenized onboarding invitations.
- Implemented dynamic user enrollment tracking based on eligibility states and integrated online eSignature agreements.
- Built full redemption lifecycles (standard & early redemption) and Multi-Admin Approval (4-Eyes Principle) governance UIs.

Key Achievements:

- Accelerated development progress to meet tight client deadlines while maintaining absolute precision in financial logic.

Technical Stack: Next.js, React, Framer Motion, next-intl, PostgreSQL (Neon DB), Upstash (Redis, Vector DB), Cloudinary, Swagger, Render, UptimeRobot, RAG

• **Frontend:**

- Initialized base source code, established coding standards, and conducted code reviews.
- Designed and built conversion-focused, sales-optimized UI prototypes/demos for client approval.
- Constructed responsive layouts using Next.js & Framer Motion; optimized Core Web Vitals and SSR/SSG SEO with next-intl multi-language support.

• **AI Chatbot (RAG):**

- Integrated Google AI Studio Embeddings and Upstash Vector DB into a custom RAG pipeline to vectorize product specs and technical catalogs.
- Implemented pre-send input optimization, prompt structuring, and formatted response outputs (Markdown, structured data).
- Established anti-spam filters and API rate-limiting guardrails for bot interactions.

• **Backend & Architecture:**

- Designed normalized database schema supporting multi-language data models on Neon DB (PostgreSQL).
- Built and optimized serverless Next.js API routes with Upstash Redis caching to minimize query latency.
- Integrated Cloudinary for media asset optimization and automated delivery.
- Built application loggers, configured UptimeRobot health check monitoring, and documented APIs via Swagger (OpenAPI).

Key Achievements:

- Significantly accelerated overall development turnaround and project milestones.
- Achieved top-tier Core Web Vitals scores and enhanced organic SEO indexability.
- Delivered sales-optimized UI driving higher user conversion and implemented an intelligent RAG chatbot with high response accuracy.

Technical Stack: React, NestJS, TypeScript, Tailwind CSS, shadcn/ui, TanStack Virtual, PostgreSQL, Upstash Vector DB, better-sqlite3, SSE

• **Frontend:**

- Built a modern, responsive chat workspace interface using React, Tailwind CSS, and shadcn/ui.
- Integrated TanStack Virtual (@tanstack/react-virtual) for zero-lag smooth scrolling across large conversation threads (1,000+ messages).
- Implemented rich response rendering: standard Markdown, syntax-highlighted code blocks, and dynamic Mermaid.js diagrams.

• **AI & Streaming:**

- Implemented real-time LLM token streaming via Server-Sent Events (SSE) on NestJS backend for low-latency response delivery.
- Tuned system prompt rules, behavioral guardrails, and token context management utilizing corporate API keys to prevent corporate data leakage.

• **Backend & Architecture:**

- Engineered NestJS backend microservices connecting PostgreSQL and Upstash Vector DB for chat history persistence and vector retrieval.
- Developed multi-format document parsing modules (PDF, DOCX, XLSX) and optimized local SQLite caching with better-sqlite3.

Key Achievements:

- Widely adopted across internal departments, replacing manual terminal API key setups and noticeably boosting daily work efficiency.
- Substantially lowered third-party extension licensing costs while eliminating corporate data privacy risks.

Technical Stack: React, NestJS, TypeScript, Tailwind CSS, shadcn/ui, React Query, Zustand, RAG, Google AI Studio Embeddings

Responsibilities:

- Conceptualized task workflows and built a high-fidelity POC demo web interface using React for banking client evaluation.
- Engineered a secure NestJS backend with high-security document ingestion pipelines and custom RAG retrieval via Google AI Studio Embeddings.
- Optimized UI components with shadcn/ui for strict banking domain compliance and clear tabular/bulleted response formatting.

Key Achievements:

- Rapidly delivered a functional, secure POC demo that successfully validated feasibility and accelerated client decision-making.

Technical Stack: Next.js, TypeScript, Tailwind CSS, React Query, Zustand, Axios, Leaflet, i18n

Responsibilities:

- Investigated and resolved critical bugs from legacy phases; implemented Change Requests (CRs) based on client requirements.
- Refactored frontend codebase for better maintainability and optimized complex real estate search and dynamic filtering logic.
- Enhanced responsive UI across all screen sizes; optimized overall web performance and technical SSR/SSG SEO strategies.

Key Achievements:

- Significantly improved page load speeds, boosted web performance, and maximized SEO & Core Web Vitals scores.

Technical Stack: Node.js, Express.js, EJS, jQuery, TailwindCSS, SCSS, Docker, AWS S3, QRCode, Google Analytics

Responsibilities:

- Developed and maintained features for phases 8, 9, and 10, including train ticket search, booking, ticket management, and QR code ticket scanning.
- Ensured pixel-perfect UI implementation based on client designs; handled API data processing (filtering, pagination), complex form validations, and generated mock data for demos.
- Conducted code reviews, resolved critical bugs, optimized web SEO, and integrated Google Analytics (gtag) for user behavior tracking.

Key Achievements:

- Successfully delivered high-quality releases for the Japanese market, ensuring a smooth online train ticket booking experience and accurate user behavior analytics.