

NGUYEN VAN HIEU

Web Developer Intern

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OBJECTIVE

Final-year Software Engineering student with hands-on experience in PERN Stack and Enterprise Linux environments. Seeking a Web Developer Intern position to leverage skills in React.js, Node.js, and AI integration (RAG) to build scalable, production-ready web applications.

EDUCATION

2022 - 2026 ***Ho Chi Minh City University of Industry and Trade (HUIT)***
Major: Bachelor of Software Engineering (Graduated Jan 2026)
GPA: 3.51/4.0

TECHNICAL SKILLS

- Languages: JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3, C#, Python,
- Backend: Node.js, Express.js, RESTful APIs, JWT, PHP (Laravel)
- Frontend: React.js, Next.js, Tailwind CSS
- Database: PostgreSQL (Priority), MySQL, MongoDB, SQL Server
- Tools: Git/GitHub, Docker, Postman
- Others: RAG Concepts, Data Structures & Algorithms, Workflows Automation, Apache NiFi, n8n

WORK EXPERIENCE

06/2025 - 08/2025 **MobiFone Service Company – Region 2, Branch of MobiFone Telecommunications Corporation**
Software Engineer Intern

- Designed and implemented automated ETL data pipelines using Apache NiFi on CentOS environment, facilitating seamless data integration across internal enterprise systems.
- Developed and optimized backend workflows, significantly reducing manual data processing time and improving overall system reliability.
- Researched and prototyped an internal RAG-based chatbot application, applying AI to automate query handling and enhance operational efficiency.

PROJECTS

2026 - 2026 **ReviewLecturers_HUIT - Academic Review & Comparison Platform for HUIT Students**
Personal Project

Designed and developed a centralized academic information platform specifically for HUIT students to optimize course registration decisions. The system digitizes and manages comprehensive subject and teaching assignment data across entire semesters, enabling students to search, compare lecturer metrics, access anonymous reviews, and engage in real-time interactions (nested replies, reactions, bookmarks).

Key Technologies & Engineering:

- Automated ETL Pipeline (n8n):

- Engineered an automated ETL workflow (Extract-Transform-Load) triggered via Google Drive API upon new schedule uploads.
- Data Processing: Implemented custom Node.js scripts to extract, clean, and deduplicate large-scale lecturer datasets from raw Excel files.
- Optimization: Utilized Upsert strategies to synchronize thousands of subject/lecturer records into PostgreSQL (Neon) while preserving historical user review data.
- Fullstack Development:
 - Frontend: Next.js 16 (App Router), TypeScript, TanStack Query, Shadcn UI, Responsive Design.
 - Backend: Node.js (Express Framework), PostgreSQL, Prisma ORM (Complex relational schema design for Lecturers - Subjects - Assignments - Reviews).

<https://reviewgiangvienhuit.vercel.app/>

2025 - 2025

Milk-tea Web Shop (E-commerce Platform)

Personal Project

- Engineered the backend using PostgreSQL to design complex relational database schemas, effectively managing Membership Tiers, Dynamic Vouchers, and Order transactions with high data integrity.
- Integrated Digital Payment Gateways (Banking/QR) and handled secure checkout flows, ensuring seamless and accurate financial transactions.
- Built a responsive, production-ready UI deployed on Netlify, optimizing user experience from product browsing to final payment.

<https://htea-milk-tea.netlify.app/>

CERTIFICATIONS

Gemini Certified

<https://edu.google.accreditable.com/d9f4c971-1c62-4515-a3f7-1f73fcda801d#acc.9K0M6HZ8>