QUOC BUI
Backend Web Developer

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SUMMARY

Final-year student with experience in both frontend and backend development. Proficient in TypeScript and its modern frameworks, with a strong interest in building scalable and user-focused web applications. Eager to apply my skills to real-world projects and contribute to a creative, technical team as an intern.

SKILLS:

- **Languages:** JavaScript, TypeScript, Python, PHP, Astro
- **Frameworks & Libraries:** Angular, Nest.js, Next.js, Vue.js, Nuxt.js, React.js, Laravel
- **UI Frameworks:** Tailwind CSS, Bootstrap, Ant Design, Shadcn, Material UI
- **Databases & Tools** : MongoDB, MySQL, PostgreSQL, Git, Docker, Postman, Figma, Docker, Photoshops, Illustrators, Blender, VSCode ,Cursor, Windsurf, Firebase, Supabase, Neon
- **Soft Skills**: Teamwork, Communication, Time Management, Creativity

WORK EXPERIENCE:

Tuoi Tre newspaper

Web Development Intern   Aug, 2025 - Nov 2025

- **Contributed** to building a **Nuxt 3** frontend application to work with REST APIs.
- Built **CRUD** functions for a file upload feature in the admin page.
- Wrote Jest **unit tests** to check if components worked correctly.
- Joined in **quality testing**, including manual testing and reporting bugs on **Redmine**.
- Found and fixed **UI bugs** and layout problems on the frontend.

Technology: Typescript, vue.js, Jest, Eslint, Ant Design, Tailwindcss.

PROJECT

E-Learning Website (4 member)   Sep, 2025 - Present

Frontend lead, Backend technical

- **Crafted** UI/UX design in **Figma** and created the project's logo.
- **Designed** and **set up** the core project **architecture**, directory structure, and initial source code for the frontend application.
- **Built** and maintained reusable API service **hooks** for the team, ensuring consistent API calls and state management across the project.
- **Collaborated** on both frontend and backend development, including implementing features in Next.js and Nest.js.
- **Customized** the video player using **Video.js**, adding advanced controls and improving the viewing experience.
- Worked closely with the backend team to **test**, **validate**, and **debug** API endpoints.
- Participated in QA, integration testing, and bug fixing to ensure product stability and performance.

Technology: Typescript, Next.js, React.js, Nest.js, PassPort.js, PostgresQL, Video.js Jest, Eslint, Shadcn, Tailwindcss.

E-Commerce Website   Sep, 2025 - Present

- **Built** a **complete** e-commerce frontend using **Angular** and **Ant Design** with product browsing, details, cart, checkout and admin page.
- **Designed** project **structure, routing**, and reusable components for easy maintenance.
- **Created responsive UI with customized Ant Design components and implemented Angular Guards and Interceptors for secure login and route protection.**
- **Developed** product pages with **filtering, sorting, pagination**, and dynamic detail views.
- **Added** user **authentication**, cart sync, order flow, and profile management.
- **Connected** separated backend built with w**RESTful APIs** to handle data between frontend and backend.
- Used **RxJS** for **async data**, **state sync**, and real-time updates.
- **Applied** Angular **directives** following best practices for reusable UI and clean templates.

Technology: Angular, Nodejs, Mongodb, AntDesign, JWT, Cloudinary, Tailwindcss

Admin Dashboard

Backend development

- **Built** comprehensive **RESTful APIs**, providing full CRUD endpoints with **Nest.js** for all data models using Prisma as the **ORM**.
- **Implemented** a secure **authentication** system using **Passport.js** , including access token and refresh token.
- **Designed** and enforced an **RBAC** system to secure API endpoints based on user **permissions**.
- Wrote simple **unit tests** for controllers and services using Jest to ensure API reliability.
- Integrated Swagger to automatically generate interactive API documentation.

Frontend Development

- **Developed** a complete admin **dashboard** with **Angular** to interact with the backend API.
- **Customized** and adapted an **open-source** admin **template** to fit project requirements.
- Developed a complete admin dashboard, creating reusable components for login, data tables, and forms to perform CRUD operations.
- Used **HTTP Interceptors** to automatically attach auth tokens to requests and handle token refresh logic.
- **Implemented** frontend **RBAC** using Angular Route Guards to restrict access to specific pages based on user roles.

Technology: Typescript, Nest.js, Angular, Prisma, Passport, PostgreSQL, Jest, Eslint, Tailwindcss.

EDUCATION:

2024 – Present | FPT Polytechnic HCM

Web Development | GPA: 3.5/4

ACTIVITY

- FPT Hackathon 2025 – Participated in an algorithm competition.
- Landingpage Hackathon, Figma Hackathon – Participated in school competitions.
- Github
- LeetCode