Nguyen Quang Vu

Backend Developer

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I am a passionate Fullstack Developer with hands-on experience in both frontend and backend development. I have built responsive web interfaces, developed robust RESTful APIs, and implemented efficient server-side logic using modern technologies. I enjoy solving real-world problems, writing clean and maintainable code, and continuously learning to improve system performance, scalability, and user experience. With strong teamwork and communication skills, I am eager to contribute to impactful projects, collaborate across teams, and grow as a well-rounded software engineer.

SKILLS

Tools and Languages	Python, JavsScript, NodeJS(Express), ReactJS, HTML, CSS, Django, FastAPI
Database	SQL Server, MongoDB, PostgresSQL, Superbase, MinioS3
Other	n8n, OOP, MVC, MTV, Git, Postman, Bootstrap

EXPERIENCE

Python Developer   **December 2024 - July 2025**
NEWWAVE SOLUTIONS JOINT STOCK COMPANY   *HaNoi*

- Developed a web-based application using Django (MTV architecture) to manage and display data effectively.
- Built dynamic pages using Django templates, integrated database models (SQLite/MySQL), and implemented backend business logic via views.
- Participated in the development of an internal AI chatbot system to support employee workflows, using Python, NLP techniques, and RESTful API integration.
- Created a smart LED control application, including a backend management system and real-time communication with hardware (via MQTT/serial or similar protocol).
- Actively collaborated with cross-functional teams and participated in sprint planning and code reviews.

Junior Backend Developer   **July 2025 - January 2026**
Cong ty Co phan TUMIKI

- Developed Decision Support System (DSS) – Web-based Geospatial Application using Tethys and Django to visualize forecast-based geospatial data. Integrated QGIS data to render dynamic maps and regional boundaries, supporting interactive spatial analysis and data-driven decisions.
- Developed Human Resource Management System (HRM) using FastAPI and Dart. Designed and implemented a RESTful API using FastAPI for employee data management, authentication, and workflow automation. Developed the frontend using Dart, enabling smooth interaction and real-time updates between users and the backend system.
- Developed Iruka Education Service backend using FastAPI, MySQL, and SQLAlchemy. Designed and implemented RESTful APIs for core educational operations, managed database schemas and migrations with Alembic, and containerized services using Docker to ensure consistent and scalable deployment environments.

PROJECT

Financial Risk Forecasting   **September 2024**
- Read data from a CSV file
- Process numerical and textual data, handle missing values by removing or imputing them
- Perform feature selection and split the dataset
- Train the model and evaluate its performance
- Tech stack: Python, Sklearn, Pandas, Numpy, Matplotlib
- Github: https://github.com/QVux13/BigData.git

Ecommerce Website   **May 2025**
- Developed a traditional e-commerce web application using Django's MTV architecture, implementing core features such as user authentication, product catalog browsing, cart functionality, and order processing.
- Built secure user registration and login system using Django's built-in authentication framework, supporting session-based login and logout.
- Implemented product management features including product listing, detail view, search, category filtering, and stock control.
- Designed admin features for managing products, categories, and customer orders using the Django admin interface.
- Utilized Django templates to render dynamic pages and ensured a responsive user interface with HTML, CSS, and JavaScript.
- Tech stack: Django, SQL Server, HTML/CSS/JavaScript, Bootstrap
- Github: https://github.com/QVux13/Ecommerce.git

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Book Selling Website   **March 2025**

- Developed the backend system for a book-selling website, supporting user, product, and order management
- Integrated JWT authentication for user and admin authorization
- Admin features include: User management (view list, block/unblock accounts). Product management (update prices, stock quantities). Order management (track revenue, shipping status)
- Designed comprehensive RESTful APIs and performed thorough testing using Postman
- Tech stack: Node.js, Express.js, MongoDB, Mongoose, JWT
- Github: https://github.com/QVux13/DATN-BookStore.git

EDUCATION

Bachelor of Computer Science, *Hanoi University of Industry*   2021-2025

ACTIVITIES

Fullstack Web Development Course (NodeJS, Express, ReactJS) – F8   Summer 2024