



# Dang Quang Huy

VNU-UET Student

I am a highly motivated individual with a strong passion for technology and continuous self-improvement. I am currently focusing on backend development and cloud technologies, with the goal of building scalable, reliable, and practical software systems. I am eager to apply my knowledge to real-world projects, learn from professional environments, and continuously improve both my technical and teamwork skills.

## EDUCATION

University of Engineering and Technology – Vietnam National University, Hanoi

Major: Information Technology (Japanese Market) ( 2023 - 2027 )

GPA: 3.6

## INFORMATION

- ☎ 0386904268
- ✉ quanghuy23052005@gmail.com
- 🌐 <https://www.facebook.com/quang.huy.427865>
- 📍 Dong Da, Ha Noi

## FEATURED PROJECTS

### UETCompass

**Role: Fullstack Developer** ( 03/2026 - 05/2026 )

**Team size:5**

- Developed a full-stack career guidance platform for UET-VNU students, supporting learning orientation and personalized roadmap generation
- Built backend APIs with Node.js and Express.js for authentication, onboarding, roadmap, skill tree, resources, and account management
- Designed MongoDB/Mongoose models for roadmaps, learning nodes, related courses, resources, and user learning progress
- Integrated Google Generative AI and Tavily API to generate AI-powered learning roadmaps and recommend learning resources
- Implemented real-time roadmap generation status updates using SSE
- Built interactive frontend pages with React, Vite, Zustand, Axios, React Flow/XYFlow, Monaco Editor, and js-yaml

**Technologies:** Node.js, Express.js, React.js, Vite, MongoDB, Mongoose, JWT, Google OAuth, Google Generative AI, Tavily API, SSE, Zustand, Axios, React Flow/XYFlow, Monaco Editor, js-yaml, Jest, Supertest, Git, GitHub

**Link GitHub:** <https://github.com/PhDoanh/uetcompass>

### AI Japanese Speaking Practice Platform

**Role: Backend Developer** ( 05/2025 - 06/2025 )

**Team size: 4**

- Developed an AI-powered web app for Japanese speaking practice using Azure Speech & Language Services

## CERTIFICATIONS

- AWS Skill Builder – AWS Cloud Practitioner Essentials
- AWS Skill Builder – EC2 Fundamentals
- HackerRank – Software Engineering Basics
- HackerRank – Advanced SQL

## SKILLS

- Communication
- Teamwork
- Problem Solving
- Time Management

## HOBBIES

- Gym, Music, Cooking

## AWARDS

- Excellent Student (2023–2024)
- Outstanding Student (2024–2025)

- Implemented real-time speech evaluation (pronunciation, fluency, intonation) with personalized feedback and JLPT level suggestions
- Built backend workflows with n8n (low-code) and managed user data (voice & learning history) using PostgreSQL
- Designed features such as shadowing practice, chat-based feedback, and skill visualization to enhance learning experience
- Developed internal voice evaluation service (Koe API) to integrate and optimize communication with Azure AI
- Ensured system reliability through Cypress UI testing and automated workflow/database testing

**Technologies:** Python, JavaScript, PostgreSQL, n8n, Azure AI, GitHub

**Link Github:** <https://github.com/HuyDang05/Ringurooma>

## LANGUAGES

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Japanese: JLPT N3

English: TOEIC 790

## TicketRush

**Role: Fullstack Developer** ( 04/2026 - 05/2026 )

**Team size:** 3

- Developed a full-stack online ticket booking platform using Node.js, Express.js, React.js, and PostgreSQL
- Built backend APIs for authentication, event management, seat management, booking, and user features
- Designed database schema with Prisma ORM for users, events, seats, bookings, and seat hold sessions
- Implemented seat locking and temporary seat-holding logic to prevent multiple users from booking the same seat
- Used Redis, BullMQ, and Socket.IO to handle seat-hold expiration and real-time seat status updates
- Implemented JWT authentication, Google OAuth, QR code generation, Cloudinary image upload, and Swagger API documentation

**Technologies:** Node.js, Express.js, React.js, Vite, TailwindCSS, Prisma, PostgreSQL, Redis, BullMQ, Socket.IO, JWT, Cloudinary, Swagger, Git, GitHub

**Link Github:** <https://github.com/HuyDang05/TicketRush>

## ACTIVITIES

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**University of Engineering and Technology**

**Volunteer** ( 2025 - 2026 )

- Provided technical support for the “Digital Transformation” campaign in Hanoi
- Assisted international contestants at the Procon International Programming Contest