NGUYEN TRONG KHA

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EXPERIENCE

VNPT IT HCM Ho Chi Minh City, Vietnam
Backend Developer Intern 05/2025 – 08/2025

- **Electronic Invoice System:**
  - Developed an electronic invoicing platform compliant with tax regulations from the General Department of Taxation.
  - Communicated directly with clients to support, troubleshoot, and adjust invoice data in real time.
  - Assisted in integrating digital signature and invoice validation features.
- **Core Microservice Framework:**
  - Built a reusable core using **Java (Vert.x)** with event-driven design and singleton-based service sharing.
  - Standardized authentication, authorization, API responses, and global exception handling across services.
  - Used **Vert.x Event Bus** for intra-cluster communication and **Kafka** for inter-service messaging.
  - Integrated with **Eureka** for service discovery and **Tyk Gateway** for routing and access control.
  - Containerized services using Docker and supported deployment through CI/CD pipelines.

EDUCATION

Ho Chi Minh City University of Technology (VNU-HCM) Ho Chi Minh City
Bachelor of Computer Science 09/2022 – Present

- Major: Software Engineering
- GPA: 3.7 / 4.0 (Expected Graduation: 5/12026)
- Relevant coursework: Data Structures, Operating Systems, Sofware Engineering, Database Systems

TECHNICAL SKILLS

Languages: Java, Go, Javascript, ReactJS, C++, C# (learning)
Frameworks & Libraries: Spring, Vert.x, Gin, Tailwind CSS, .Net (learning)
Database: MYSQL, Postgresql, MongoDB
Tool: Git, Docker, Docker-compose, Jira, Azura Devops, Kubernetes (learning)
Methodologies: Waterfall, Scrum Agile

PROJECTS

404BNT – Employee Assessment System PO & Backend Developer | 03/2025 – 03/2025
GitHub: Nguyentrongkha2k4/EmployeeAssessment-BE Team size: 8

- Developed a performance evaluation tool with flexible periods (weekly, monthly, quarterly) and customizable criteria.
- Built backend with **Java Spring Boot** and PostgreSQL; coordinated using **Scrum Agile**, Jira, and Confluence.
- Handled Dockerization, CI with Git Actions; maintained historical tracking for employee progress.

GiveHub – Donation Management Platform Business Analyst | 02/2025 – 04/2025
Demo: frontend-volunteer.vercel.app Team size: 7

- Defined functional requirements and system flows to connect volunteers with non-profit organizations.
- Collaborated with development team using **Azure DevOps**, helped translate business needs into technical specs.
- Used modern tech stack: **NestJS, TypeORM, MySQL, Next.js, SCSS**; followed Scrum Agile methodology.
- Ensured the platform supported event organization, volunteer registration, and transparent donation tracking.

Grade Portal – Online Grading System for HCMUT Backend Developer | 11/2024 – 01/2025
GitHub: dath-241/grade-portal-be-go-2 Team size: 4

- Developed backend APIs using **Golang (Gin)** and MongoDB; managed authentication via OAuth2.
- Supported frontend team (React.js) and deployed with **Docker, Docker-compose, GitHub Actions**.
- Enabled students and staff to manage academic information securely and efficiently.

Miscellaneous

- Certifications: [verify], Software Development with Scrum – Axon Active (2025)
- English: TOEIC 845 (Reading + Listening), valid from July 19, 2025 to July 19, 2027
- Volunteer: Fire Safety and Rescue Drill – Participated in the annual firefighting and rescue competition organized by the Dormitory Management Center of VNU-HCM in Ho Chi Minh city (Oct 26, 2024)
- Hobbies: Tech reading, strategy games, and badminton.