NGO DUY HOANG LONG

SOFTWARE ENGINEER - FULLSTACK DEVELOPER

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"C# and Java Developer with 1+ year experience building enterprise applications. Expert in ASP.NET Core, Spring Boot, and RESTful APIs following OOP principles. Skilled in developing secure, high-performance backend solutions and deploying on Azure and Docker with CI/CD pipelines."

SKILLS

`C#` `Java` `Python` `C++` `TypeScript` `NodeJS` `HTML` `Dart` `React` `PHP` `Swift` `Next.js`

`RDBMS` `Graph database` `NoSQL database` `Git/GitHub` `Azure` `AWS` `Docker` `Org-mode`

WORK EXPERIENCE

Remote Outsourcing (Freelance)
Bach Tuong Phat Trading Investment JSC

📅 01/11/2024 – Ongoing   📍 Ha Noi

- Independently developed Supermetric, a custom e-commerce analytics platform that aggregates and visualizes monthly sales data from multiple platforms (Shopee, TikTok, DienMayXanh)
- Engineered Python-based web crawling tools to automatically extract and process sales data from multiple e-commerce platforms
- Designed and implemented an end-to-end automated system on Azure Cloud virtual machines for data collection, processing, and visualization
- Built and maintain the full-stack web application for internal company use, enabling data-driven decision making based on consolidated sales analytics

`Python` `Web Scraping` `Data Automation` `E-commerce Analytics` `Azure Cloud` `Full-Stack Development`

Full Stack Developer
Beehexa Corporation

📅 20/3/2024 – 01/01/2025   📍 Ho Chi Minh

Social Media Platform Project (Cross-functional Team of 8)
- Developed backend microservices in C# following Microservice Architecture, with each service adhering to Single Responsibility Principle and communicating via RESTful APIs
- Designed and managed social relationship data using Neo4j as a graph database for efficient traversal and querying.
- Containerized services using Docker, orchestrated local development with Docker Compose, ensuring consistency across environments.
- Implemented asynchronous communication between services using RabbitMQ as an Event Bus.
- Deployed microservices onto Azure Cloud, utilizing Azure App Services, Azure SQL Database, and Azure Container Registry.
- Integrated real-time chat and notifications using SignalR hosted in a dedicated communication service.
- Secured the platform with OAuth 2.0 and JWT-based authentication, implementing Role-Based Access Control (RBAC) across services.
- Applied CI/CD pipelines with GitHub Actions to automate building, testing, and deployment processes.

HexaSync Integration Platform
- Utilized HexaSync integration platform to automate data synchronization across multiple business systems such as ERP, CRM, and POS.
- Helped monitor and improve HexaSync's performance, ensuring smooth integration.

`C#/.NET Core` `Neo4j` `RESTful API` `Microservices` `Azure DevOps` `SignalR` `System Integration`

Intership
Beehexa Corporation

📅 12/12/2023 – 15/3/2024   📍 Ho Chi Minh

• Handled data processing and scraped questions from Stack Overflow to develop an open-source library.
• Participated in the project of training a chatbot for the Beehexa's website.

PERSONAL PROJECTS

CineMate - Collaborative Streaming Platform
Personal Project

• Engineered a real-time video watching application with synchronized playback for remote teams.
• Implemented low-latency streaming using QUIC protocol, reducing network interruptions by 60%.
• Developed scalable microservices architecture using Java and Azure cloud.
• Designed cross-platform integration allowing synchronized playback from local files, YouTube, Netflix, and other streaming platforms.
• Created a WebRTC-based chat system with video conferencing capabilities for enhanced collaboration during viewing sessions.
• Implemented a custom synchronization algorithm maintaining <50ms playback difference across all connected clients.
• Utilized RabbitMQ for efficient message queuing and asynchronous processing.
• Built secure authentication system using OAuth 2.0 for protected streaming sessions.
• Developed responsive UI with React and Material-UI, supporting multiple device form factors.
• Implemented analytics dashboard tracking user engagement and system performance metrics.
• ⭕ hlong-dev/cinemate
• 🌐 cinemate.website

| Microservices | Real-time Streaming | WebSocket | WebRTC | OAuth 2.0 | React |

NoteWorth - Collaborative Note-Taking App
Personal Project

• Built a full-stack note management application with advanced collaboration features using Next.js and TypeScript.
• Developed responsive and modern UI with Tailwind CSS and RadixUI component library.
• Implemented secure authentication protecting user data with industry-standard encryption.
• Created RESTful API with comprehensive CRUD operations and role-based access control.
• Containerized the application with Docker for consistent development and deployment environments.
• Deployed and hosted the application on Vercel with CI/CD pipeline integration.
• Added features like markdown support, advanced search, and collaborative editing.
• ⭕ hlong-dev/noteworth
• 🌐 noteworth.app

| Next.js | TypeScript | Tailwind CSS | Docker | Vercel | RadixUI |

CERTIFICATIONS

🔴 **English Proficiency**
CEFR B2 Level

👥 **Agile Methodology**
Professional Scrum Master (PSM I)

aws **Cloud Computing**
AWS Certified Cloud Practitioner (In Progress)

EDUCATION

B.S. in Software Engineering
Ho Chi Minh City University of Technology

📅 Sept 2021 – April 2025

• GPA: 3.22/4.0
• Achieved perfect 4.0 GPA for one semester, ranking among the top 20 students out of 4,000 for that term