Ha Quoc Viet

DOB: 15/02/2000

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PERSONAL STATEMENT

- Software development with 3+ years of experience.
- Backend-focused software engineer with primary expertise in system architecture, API development, and database optimization.
- Expertise in creating user interfaces for web and mobile using ReactJS, Next.js, and React Native.
- Expertise in designing scalable backend solutions using NodeJS, ExpressJS, NestJS, and event-driven architectures with Kafka and Redis..
- Strong foundation in Monolithic and Microservices system design.
- Experienced in database management and optimization with MongoDB, PostgreSQL, and MySQL.
- Worked with both Windows and Unix operating systems.
- Hands-on knowledge in cloud deployment and infrastructure management using AWS (S3, EC2, RDS).

WORK EXPERIENCE

MXV Exchange Platform   Sep. 2023 – Now
Fullstack Developer at Mercantile Exchange of Vietnam / Software Development

- MXV Exchange Platform is an online trading platform that facilitates the trading of certain commodities in the conditional business category (commodities in the energy and agricultural groups), meeting the entire demand for commodity trading, including price risk insurance and price arbitrage trading for domestic investors.

  - Designed and implemented a microservices-based architecture to handle high-volume trading transactions.
  - Developed scalable backend APIs with ExpressJS and NestJS, ensuring secure and high-performance order execution.
  - Integrated Kafka and Redis for real-time data processing and event-driven services.
  - Optimized database schema design for MongoDB and PostgreSQL to improve query performance.
  - Managed Dockerized deployments with Nginx for scalable backend services.
  - Built the frontend in Next.js and React Native based on user requirements and Figma, integrating efficiently with the backend system.

- **Technologies**:

  - Languages: **JavaScript**, **TypeScript**.
  - Backend: **NodeJS**, **ExpressJS**, **NestJS**, **Kafka**, **Redis**.
  - Frontend: **Next.js**.
  - Database: **MongoDB**, **PostgreSQL**.
  - Deployment: **Docker**, **Nginx**.

VitaDairy & Traphaco ZMA (Second Job as a Freelancer)   May. 2024 – Jan. 2025
Freelance Developer at Tesosoft / Software Development

  - Developed and optimized UI for VitaDairy's admin management
  - Developed and optimized UI for Traphaco Zalo mini app.
  - Refactored backend logic for Traphaco ZMA, fixing critical bugs.

- **Technologies**:

  - Languages: **JavaScript**, **TypeScript**.
  - Backend: **NodeJS**, **NestJS**, **Redis**.
  - Frontend: **React.js**.
  - Database: **PostgreSQL**.
  - Deployment & Cloud services: **AWS S3**, **AWS RDS**.

Amai Content   Nov. 2022 – Sep. 2023

Backend Developer at Amai Agency / Software Development

- Amai Content is an application designed to optimize content and manage multi-platform social networks such as Facebook, Google My Business, Instagram, and more.
    - Built a transaction management system for automated payments integrated with Vietcombank and A Chau Bank.
    - Developed a real-time messaging system for multi-platform content management using Facebook Messenger API.
    - Created backend services using Google Business Profile API, enabling data synchronization, analytics, and media management.
    - Designed efficient MongoDB and MySQL schemas to optimize database queries.
- **Technologies**:
    - Languages: **JavaScript**, **TypeScript**.
    - Backend: **ExpressJS**.
    - Database: **MySQL**, **MongoDB**.

JUSEI Master   Mar. 2022 – Dec. 2022

Backend Developer at Chainos Solution / Software Development

- JUSEI Master is a study application for the national examination for Judo therapy experts.
    - Developed data analysis and statistics features, optimizing performance of backend queries.
    - Designed and implemented scalable MongoDB schemas to handle large data sets efficiently.
- **Technologies**:
    - Languages: **TypeScript**.
    - Backend: **NestJS**.
    - Database: **MongoDB**.

ADDITIONAL SKILLS

- English Level: **B2**
- Version Control: **Git, GitHub, GitLab**.
- Development Tools: **Visual Studio Code, Jira, Trello**.
- Automation Scraping: **Puppeteer, Selenium**.

EDUCATION

- University: **Vietnam National University - Ha Noi University of Science**
- Major: **Computer & Information Science Advanced Program**.