# Vu Quang Nam

## Software Developer

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## **OBJECTIVE**

I aim to build a long-term career in Data and Software Development, focusing on creating scalable, efficient, and impactful solutions. I'm passionate about applying my skills in data engineering, analysis, and backend development to optimize pipelines, enhance business processes, and enable intelligent decision-making. My goal is to keep learning and innovating with modern technologies to deliver robust, data-driven systems that drive organizational success.

#### **EDUCATION**

Hanoi university of industry (GPA:3.01/4)

Oct 2020 - Aug 2024

## Bachelor's Degree in Information Technology

- Graduated with a strong foundation in software development, database management, and system architecture.
- Gained hands-on experience in **programming**, **algorithms**, and **data structures** through real-world projects.
- Proficient in modern development technologies including .NET, React.js, and PostgreSQL.
- Active member of HIT Club a student-led tech community focused on programming, innovation, and collaborative learning.

## MindX TechnologySchool

Oct 2024 - May 2025

#### DATA ANALYST

#### Courses Completed:

- · Data For Everyone
- · Business Intelligence Analyst
- Data Analyst (working with AI models)

### Skills & Expertise:

- SQL & Data Modeling: Proficient in SQL; experienced with RFM segmentation and database design.
- Python for Data Analysis: Skilled in Pandas, NumPy, and Matplotlib for data processing and visualization.
- Data Visualization: Proficient in Power BI; able to build interactive dashboards and visual reports.
- Analytical Thinking: Strong ability to interpret data and apply AI models to extract actionable insights.

#### WORK EXPERIENCE

EZTEK COMPANY Oct 2022 - Feb 2024

## Software Developer

#### PharmaDI - Pharmaceutical E-commerce Platform

- Designed and maintained complex **PostgreSQL** schemas and domain entities specific to pharmaceutical sales workflows.
- Developed APIs using .NET Core 5/6, applying Repository Pattern and Domain-Driven Design (DDD) for scalability and maintainability.
- Integrated third-party **payment gateways** and implemented **transactional workflows** including order processing and calculation logic.
- Built secure authentication and authorization layers using JWT, JWK, and custom role-based access control, ensuring safe
  access to APIs.
- Developed and integrated a **custom SSO (Single Sign-On)** mechanism for enterprise clients, enhancing user convenience and security.

- Successfully deployed multiple PharmaDI applications to dedicated production environments, ensuring **high availability** and **performance**.
- Provided continuous support and troubleshooting post-deployment, improving system reliability and user satisfaction.
- Collaborated with cross-functional teams and stakeholders to uphold **stability**, **security**, and **scalability** of the system.

## TrueConnect – Trading & Inventory Management System (by Eztek)

- Contributed to the development and maintenance of a **web-based microservices application** built with .**NET 6** and **PostgreSQL**.
- Focused on optimizing inventory management, data processing, and service communication within the microservices
  architecture.
- Implemented secure authentication and authorization using JWT and JWK, ensuring API protection and inter-service trust.
- Contributed to the development of a **centralized SSO solution** to unify identity management across internal tools.
- Ensured best practices in **code structure**, **database performance**, and **system integrations** for business-critical operations.
- Supported **CI/CD pipelines** and contributed to **containerized deployments using Docker** for development and staging environments

### **Key Achievements**

#### **PharmaDI**

- Successfully deployed the platform to production environments and delivered to enterprise clients.
- Ensured stable post-deployment operation with secure authentication (JWT, JWK) and integrated SSO.

#### **TrueConnect**

- Successfully deployed the system to the company's production environment with stable performance.
- Delivered a functional and reliable product that met core inventory and authentication requirements.

#### HYPERLOGY COMPANY

Feb 2024 - Present

#### Software Developer

#### **SmartForm Platform**

Clients: Bảo Việt Bank (BVB), An Bình Bank (ABB)

- Developed and maintained a comprehensive banking web application supporting key modules: Customer CIF creation, eToken activation, savings account management, and workflow-driven business processes.
- Built **RESTful APIs** using .**NET MVC**, integrated with **T24 Core Banking System** based on customized requirements from BVB and ABB.
- Designed and optimized **Oracle Database** schemas, stored procedures, and triggers for high-performance and reliable data operations.
- Proactively resolved system issues, minimized downtime, and ensured operational continuity.
- Delivered responsive maintenance and iterative enhancements to support **stable post-Go-live operations**.

#### Agribank SmartForm

- Developed a reusable and scalable core banking platform for Agribank, tailored for in-branch operations such as CIF creation, account management, and savings services.
- Integrated with multiple critical banking systems, including **BillPayment**, **IPCAS**, and other internal services, forming a centralized teller transaction platform.
- Built robust backend APIs using .NET 8, with a modern frontend powered by React.js / Next.js.
- Designed and optimized **Oracle Database** structures to support complex transaction processing.
- Implemented reliable service-to-service communication using RabbitMQ and Kafka, ensuring performance and data consistency across modules.
- Used **Docker** for containerization, streamlining the development and deployment workflow.
- Collaborated with DevOps and Security teams to meet compliance standards and production-readiness.

#### **Key Achievements**

- Successfully deployed **SmartForm** across multiple banking clients, enabling smooth **Go-live** and seamless **system integration** with existing infrastructure.
- Reduced system downtime through proactive monitoring, logging, and rapid issue resolution.
- Enhanced system performance and reliability through database optimization, clean service design, and modular architecture

## **SKILLS**

Languages and Frameworks	Backend Development: C#, .NET Core (5/6/8), RESTful API, architecture design with Domain-
	Driven Design (DDD), Repository Pattern
	<b>Frontend:</b> JavaScript, React.js, Next.js – experienced in building modern, responsive web applications
	<b>Data &amp; Analytics:</b> SQL, Python, PySpark – skilled in data querying, transformation, and large-scale pipeline processing for analytics
	DevOps & Tools: Docker, CI/CD, JWT, JWK, OAuth2, SSO integration
Work environment	DevOps & Tools:
	Git, Docker, basic Linux – experienced in version control, containerized development, and cross-platform environments.
Database	Database:
	Oracle, PostgreSQL, MongoDB – proficient in relational and NoSQL database design, optimized querying, stored procedures, and data modeling for both transactional and analytical systems.
DataTools	Data Analysis & Visualization:
	Power BI, Azure – experienced in cloud-based analytics, interactive dashboards, and data exploration.
	DBeaver, Google Colab, Jupyter – proficient in data analysis using notebooks and SQL-based
	exploration.