



Nguyen Quoc Bao

Intern

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Summary

As a final-year student with **2 years** of freelance experience in **Mobile App Development, Web Development & Automation**, I specialize in crafting effective solutions. I am eager to help your company boost efficiency, reduce costs, enhance customer experience, and support data-driven decision-making with my proactive approach and quick learning ability.

Career Objective

Short-term: Become a Mobile App Developer and Web Developer position to build scalable data pipelines and user-centric web applications. Aim to master both fields within 2-3 years.

Long-term: Advance to Head of Engineering role in 5 years, leading teams in developing innovative data-driven solutions for organizational growth.

Education

Ho Chi Minh City University of Technology (HUTECH)

Expected graduation: June 2025

Major: Software Engineering **GPA:** 3.2/4.0

Work Experience

Freelance Software Developer / Web Developer

Sep 2021 - Present

- Developed automation tools on Windows environments to connect with servers, automating daily command-line operations and file management tasks, significantly reducing manual workload and improving productivity.
- Completed multiple Data Analysis projects focused on Animal Detection, utilizing Python and data visualization techniques to deliver actionable insights and accurate analytical reports.
- Built and deployed several responsive websites using Python Django, ensuring robust backend functionality, user-friendly interfaces, and efficient Postgres database integration.

Bank for Investment and Development of Vietnam (BIDV)

Feb 2024 - May 2024

Intern

- Managed and controlled server systems, NAT, and camera networks to ensure continuous and stable operations.
- Deployed an Automated Time Attendance System using **SQL Server**, reducing management time from **10 hours** to **6 hours/month** (reduced by **40%**).

Projects

Football Player Detection & Analysis System

Dec 2024

Engineered an AI-powered football analysis system using **Computer Vision** and **Deep Learning (YOLO11, SAM2)**, achieving **90%+** accuracy in player detection and team classification. Developed automated player tracking and team classification features with **PyTorch** and **OpenCV**, reducing manual analysis time by **75%**.

Table Reservation with CozeAI Chatbot

May 2024

Developed an online table reservation system using **.NET**, **SQL Server**, and **WebSockets**, eliminating **100%** of staff intervention for chatbot operations, processing time of **2 seconds**, increasing customer satisfaction by **95%**.

Monthly Time Attendance Automation System

May 2024

Built an automated time attendance management system using **C#**, **Python**, and **SQL Server**, saving **4 hours/month**, increasing data accuracy by **98%**.

Skills

Technical Skills:

- **Programming Languages:** Python, SQL, Java, C++, C#, Flutter
- **Data Technologies:** AWS, SQL Server, PostgreSQL, MongoDB
- **Tools and Platforms:** Docker, Git, Power BI, LookerStudio, Kaggle
- **AI & Development Environments:** Cursor IDE, Windsurf (integrated with MCP Server and LM Studio)

Soft Skills: Analytical Thinking, Problem-solving, Time Management, Communication, Teamwork, Attention to Detail, Adaptability, and Flexibility.

Certifications

Data Engineering with AWS Data Analytics	July 20, 2024
Python for Beginners - Learn All the Basics of Python	May 23, 2024
Object Oriented Programming in C++ & Interview Preparation	May 20, 2024