



# Nguyen Quoc Bao

## Data Engineer

baoqndtb@gmail.com | +84 932 085 135 | GitHub: Sushiba2ker | LinkedIn: Nguyen Bao

### Summary

A final-year student with 3 years of hands-on experience in developing data systems and AI solutions. I have participated in and led multiple successful projects, from optimizing data pipelines to deploying cloud-based analytics systems. With a solid academic foundation combined with practical work experience, I am ready to deliver tangible value to organizations. Driven by a continuous learning mindset, I constantly strive to improve my skills and contribute to the growth of my team and organization.

### Career Objectives

**Short-term Objective:** Secure a Data Engineer position right after graduating from Ho Chi Minh City University of Technology (HUTECH) in 2025.

**Long-term Objective:** Advance into a leadership role as Head of the Data Engineering department within the next 5 years.

### Proficiencies

#### Technical Skills:

- **Programming Languages:** Python, SQL, Java, C++, C#, R, Scala
- **Data Technologies:** AWS, Apache Spark, Hadoop, SQL Server, PostgreSQL, MongoDB
- **Tools and Platforms:** Docker, Git, Power BI, Tableau, LookerStudio, Kaggle

**Soft Skills:** Analytical Thinking, Problem Solving, Time Management, Communication, Teamwork, Attention to Detail, Adaptability and Flexibility

### Work Experience

#### Freelance Data Engineer / Software Developer

September 2021 - Present

- Designed and developed scalable data pipelines using Python and SQL for processing ETL tasks for various clients, enhancing data accessibility and reliability.
- Optimized databases and data warehouses, ensuring data integrity, security, and efficient query performance.
- Delivered high-quality code and data solutions for over 10 projects, achieving a 98% customer satisfaction rate and improving project performance by 20%.

#### Bank for Investment and Development of Vietnam (BIDV)

February 2024 - May 2024

Intern

- Assisted in the development and optimization of data pipelines to process large volumes of financial data, increasing processing speed by 25%.
- Contributed to designing and implementing a Monthly Attendance Automation System, reducing HR administrative work by 40%.
- Supported the development and deployment of a contract punching system, optimizing contract management processes and improving data accuracy.

#### BStar Solutions JSC

September 2021 - September 2022

Fresher

- Participated in an intensive training program on database management and optimization of data pipelines.
- Assisted in designing and implementing data management solutions, improving query performance and data storage efficiency, leading to a 30% system performance improvement.

- Collaborated with the technical team to optimize data workflows, ensuring smooth and efficient data streams.

## Education

<b>Ho Chi Minh City University of Technology (HUTECH)</b>	<b>Expected Graduation: June 2025</b>
<b>Major:</b> Software Engineering	
<b>Relevant Courses:</b> Object-Oriented Programming, Databases, Data Structures and Algorithms, Machine Learning, Data Mining, Advanced Data Structures and Algorithms, Information Retrieval, Image Processing	

## Projects

<b>Table Reservations with CozeAI Chatbot</b>	<b>May 2024</b>
Developed an online table reservation system for a sushi restaurant, integrating CozeAI chatbot to automate table and food reservations. The system allows users to book tables and order food without human assistance. The chatbot ensures user data security by not accessing sensitive information.	
<b>Monthly Attendance Automation System</b>	<b>May 2024</b>
Designed and built an automated system to track and log monthly attendance of employees, reducing HR administrative work by 40% by integrating biometric data and generating detailed attendance records.	
<b>Electronic Store Management System</b>	<b>July 2023</b>
Developed management software for an electronics retail store using Windows Presentation Foundation (WPF). The system enables efficient tracking of inventory, sales, and customer orders, optimizing daily operations for the store.	

## Certifications

<b>Data Engineering using AWS Data Analytics</b>	<b>20 July 2024</b>
<b>Python for Beginners - Learn all the Basics of Python</b>	<b>23 May 2024</b>
<b>Object-Oriented Programming in C++ &amp; Interview Preparation</b>	<b>20 May 2024</b>