# NGUYỄN BẢO HÒA

## FULL STACK DEVELOPER

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**Portfolio:** IrenaNguyen

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## SUMMARY

Full Stack Developer with over 2 years of experience in designing and developing scalable backend and frontend solutions Proficient in Java (Spring Boot Framework), Microservices architecture, and RESTful API development. Skilled in working with both SQL and NoSQL databases, as well as development tools such as Maven and Git. Strong analytical mindset, good communication, and teamwork abilities. Knowledgeable in front-end development using ReactJS and well-versed in Agile/Scrum methodology.

## SKILL

- **Programming Languages:** Java, Node.js
- **Frameworks and Tools:** Spring Boot, Express, React, Microservices Architecture, Docker.
- **Database Systems:** MySQL, Redis, MongoDB, PostgreSQL
- **Caching & Messaging:** Redis, Apache Kafka, RabbitMQ
- **Technologies:** RESTful APIs, WebSocket, JWT
- **Development:** Scrum/Agile, Git, GitLab, GitHub.

## LANGUAGE

**English**: TOEIC 650 (strong in technical reading & communication)

## EDUCATION

**Bachelor: Ho Chi Minh City Industry and Trade College | 08/2021 – 07/2024**

**Major: Information Technology.**

## EXPERIENCES

**Backend Developer** | *May 2024 – Aug 2025*

*Atom Solution – Ho Chi Minh City, Vietnam*

- Maintained and improved the jPOS Gateway system using Java SE with a focus on:
    - Transaction logging and custom log processing
    - UI enhancements using Vaadin framework
    - Implemented user role management and access control features

- Participated in debugging and deploying backend components in a Linux-based production environment
- Built core services for a Merchant Management System, including:

- o Developed APIs for POS device lifecycle management
- o Implemented features for version control of applications on POS terminals
- o Built user activity tracking APIs and MQTT server data handling for real-time device monitoring

- • Followed microservice principles, worked with Docker and wrote RESTful APIs.
- • Documented APIs using Swagger/OpenAPI and supported integration testing across modules

## PROJECTS

**E-commerce Website( Full-Stack ) | 09/2023– 12/2023**
Link Project: E-commerce

- • **Description:** Developed an online store platform with a user-friendly interface for product browsing and secure payment processing.
- • **Technologies:** React, Bootstrap, Spring Boot, MySQL.
- • **Responsibilities:**
  - o Designed and implemented the user interface (UI) using React and React Bootstrap for a seamless shopping experience.
  - o Developed and integrated RESTful APIs for product management, user authentication, and payment processing using Spring Boot.
  - o Integrated Google Login functionality to enhance user experience.
  - o Managed source code and tracked changes using Git and GitHub.
  - o Set up and managed the product and user databases using MySQL.
  - o Integrated PayPal payment system for secure and efficient transaction processing.
  - o Implemented security measures to protect user data and prevent unauthorized access.

**Booking Website( Full-Stack ) | 04/2024 – 06/2024**
Link Project: Dianmant - Hotel & Resort

- • **Description**: Created a booking platform for hotel and travel services.
- • **Technologies:** React, Material UI, Spring Boot, Spring Security, JWT, MySQL, Cloudinary.
- • **Responsibilities:**
  - o Designed and developed the user interface (UI) using React.
  - o Built and integrated APIs for the booking and payment systems using Spring Boot.
  - o Managed customer and booking databases with MySQL.
  - o Ensured security features and user data protection with Spring Security.
  - o Managed source code and tracked changes using Git and GitHub.
  - o Integrated PayPal payment system for secure and efficient transaction processing.