

NESSAH MOHAMED NADJIB

Full Stack Developer

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Profile

Full Stack Developer specializing in banking systems, with strong expertise in software architecture design, secure API development, and integration of mission-critical solutions. Holder of a Master's degree in Software Engineering from USTHB, I am proficient in Spring Boot, ASP.NET Core, and Django, with a strong commitment to performance, code quality, and system reliability.

Experience

Full Stack Developer, Trust Bank Algeria 07/2025 – Present
Hydra, Algiers

- Designed an RTGS platform for processing SWIFT MX (ISO 20022) messages supporting interbank payment flows with the Bank of Algeria, using .NET Core.
- Developed an Instant Payment System (IPS) compliant with the ISO 20022 standard, enabling the sending, receiving, and processing of payment messages with the Interbank Clearing Center (CPI) of the Bank of Algeria, using ASP.NET.
- Developed a digital interbank card solution using ASP.NET and Flutter, in collaboration with SATIM.

Stage de fin d'études Master, Hb Technologies SPA 02/2025 – 06/2025
Smart Loyalty and Digital Payment Platform | Spring Boot, ASO.NET, Flutter Rouiba, Alger

- Integrated a jPOS payment gateway for secure processing of ISO 8583 financial transactions.
- Implemented a Q-Learning-based loyalty system that dynamically adapts rewards according to user behavior.
- Developed a card emulator in C# for NFC transaction simulation.

Stage de fin d'études Licence, SARL DATAGIX 02/2023 – 06/2023
Cloud and Telecom Service Management for WHMCS | Django, Bootstrap Mohammadia, Alger

- Extended the WHMCS platform to enable customers to manage Cloud and Telecom services from the client portal.
- Integrated a monitoring module for IPBX systems using the 3CX APIs.

Education

Master's degree in Software Engineering, 09/2023 – 06/2025
University of Science and Technology Houari Boumediene (USTHB) Bab Ezzouar, Alger

Courses: Software Architecture and Design Patterns, Advanced Object-Oriented Programming (Java), Software Testing and Quality Assurance (QA), Agile Methodologies and DevOps Practices (Scrum, AWS), Cybersecurity.

Bachelor's degree in Information Systems and Software Engineering, 12/2020 – 06/2023
University of Science and Technology Houari Boumediene (USTHB) Bab Ezzouar, Alger

Courses: Data Structures and Algorithms, Database Systems (Oracle, MySQL), Operating Systems and Assembly Language, Web Development (PHP, JavaScript, HTML, CSS), Python Programming (Django).

Skills

Programming languages

Java, C#, JavaScript, Python

Frameworks

Spring Boot, .NET Core, Django

Development tools

Git, Github, Docker, Pipelines CI/CD, IDE

Data bases

ORACLE, SQL Server, PostgreSQL

Project management tools

MS project, jira

Languages

English

IELTS C1

French

TCF B2 advanced

Arabe

Native