BOURICH SOUFIANE

Computer engineering student, specialized in software quality, in the final year of the engineering program.
Future Software Engineer, passionate about development, software architecture, and quality assurance.

CONTACT

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📞 0650981231   in Soufiane Bourich

🐙 Bourich-20   📍 Mobility: National

🌐 sb-portflio-20.onrender.com

French: Fluent   English: Fluent
Arabic: Native   Age: 23 years

SKILLS

Programming Languages:
- C,Java,JavaScript,TypeScrip,Dart, python.

Web Technologies:
- **Frontend :** Next.js (React), React, Angular, HTML, CSS, Tailwind CSS, Ajax, Thymeleaf.
- **Backend :** Spring Boot (MVC, Data JPA, Security, Cloud), Java JEE, Node.js (Express).
- **API & Communication :**REST, gRPC,GraphQL,SOAP,WebSockets, Kafka, RabbitMQ.

Mobile Technologies:
- Flutter ,Ionic Angular, Swift.

Databases:
- Relationnelles:PostgreSQL, PL/SQL (Oracle),SQL Server, MySQL.
- NoSQL / Documentaires : MongoDB, Cassandra, Redis.

Operating System:
- Linux, Windows.
- System and Network Programming.
- Automated scripts & batch files.

Design and Methods:
- UML, Merise, SOLID, Design Patterns.
- Figma / InDesign /Draw.io

SOFT SKILLS

- Problem Solving / Optimization
- Quick Learning / Adaptability
- Time Management / Analytical Thinking
- Communication / Teamwork
- Ability to read and maintain existing code
- Skill in handling hardware resources (RAM, CPU, Arduino, etc.)

Formations

- **Faculty of Sciences and Techniques SETTAT**
  Engineering cycle in Computer Engineering. 2022 - 2025
- **Polytechnic Faculty - Ouarzazate**
  General University Studies Diploma (DEUG) in Mathematics and Computer Science (SMI) obtained in 2020-2022.
- **High School**
  Bachelor's degree in Physical and Chemical Sciences (SPC) obtained in 2019-2020

Professional Experience

Internship at HPS:
- **Web Application: From February 1, 2025 to July 1, 2025**

Full-stack development of an online parametric ISO 8583 simulator for testers, using a microservices architecture to ensure performance and scalability.
Technologies used: Spring Boot, Kafka, Grafana, React, TypeScript.

Internship at CodingArt:
- **Web Application: From July 1, 2024 to October 1, 2024**

Backend developed for a vehicle stock management application, including tracking, invoicing, and payment, with a microservices architecture ensuring modularity and scalability of the solution.
Technologies used: Spring Boot, NestJS, Spring Security (JWT), Spring Data JPA, Docker, Kubernetes

Internship at Diamantech:
- **Mobile Application: From July 17, 2023 to September 3, 2023**

Full-stack development of a mobile task management application, with a system for tracking employee tasks.
Technologies used: Ionic, Angular, Node.js.

Freelance:
- **Mobile Application: From May 1, 2024 to May 15, 2024**

Mobile app for embedded systems students, allowing data collection and transfer via Wi-Fi and GPS, real-time visualization of trucks and bins on a map, and route optimization through server communication.
Technologies used: Flutter, GPS, Wi-Fi, Firebase, Google Maps API.

- **Mobile Application: From April 10, 2024 to May 1, 2024**

Mobile app for biomedical engineering students, enabling real-time EMG data collection and display, with data storage and a section for doctors to manage patients and send reports.
Technologies used: Flutter, Arduino, Bluetooth, Firebase.

Academic Projects:

- **Air Traffic Control Project (web application)**

Real-time tracking of airplanes, smooth animation for airplane movements, collision detection, and weather condition management using Dijkstra's algorithm.
Technologies used: Spring Boot, HTML, CSS, JavaScript.

- **Java Project: (desktop application)**
Development of an administrative management application for a college.
Technologies used: Java, JavaFX, MySQL.

- **Python Project (desktop application)**
Application to determine the type of face from images, using Principal Component Analysis (PCA) and Discriminant Factor Analysis (DFA) on a dataset.
Technologies used: Python.

- **Project in C language:** Library Management System