



Boumouzouna Brahim Vall

Software engineering student

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Mohammedia-Morocco

Education

Faculty of Science and Technology Mohammedia
2021-Present

State Engineering Diploma in Software Engineering and Computer Systems Integration

Faculty of Science and Technology Mohammedia
2019-2021

Diploma of University Studies in Mathematics, Computer Science and Physics

GENERATION OF THE FUTURE -NOUAKCHOTT
2018-2019

BACCALAUREATE DB SERIES: BILINGUAL NATURAL SCIENCES (SNB)

Projects

Mobile Application for Touristic Discovery Event Sharing
2023 (October- Present)

Developing a touristic discovery app that empowers users to share location-based events (photos, videos) and explore places while allowing local business owners to share details and descriptions of their establishments. This comprehensive solution employs a **microservices architecture, flutter , spatial database, NoSQL databases, Docker, and Git/GitHub** integration for seamless functionality.

web application for Employee Management
2023 (July)

Designing and Build a streamlined HR solution with a **RESTful API** for data handling using **Express Js** and a **React.js** front-end for user-friendly employee management and **git/github** for version control.

AI Prompt Sharing Platform, Promptopia
2023 (September)

Promptopia is an open source AI prompt tool that allows users to discover, create and share creative AI prompts. Developed using **NextJs, MongoDB and tailwinds CSS**.

SQL query optimization engine
2023 (February-March)

Created an optimization engine for relational databases that optimizes the performance of SQL queries.

Geographical ranking of home sales
2023 (February-March)

A project that applies the **pageranking algorithm** to a huge spatial dataset of home sales, using **C++ and graph theory** to analyze the data. This provides a valuable resource for home buyers in a particular location.

Library management application
2023 (February)

Development of a library management application using the **MVC** architecture for the desktop version with **Swing** and **MVC2** for the web version with **JSP/Servlet**, using the **Hibernate** framework for data persistence in an **Oracle database**.

Web application for internship management
2022 (April-June)

Design and development of a web application for the management of internships at the Faculty of Science and Technology of Mohammedia, using **PHP, JavaScript, HTML, CSS , Bootstrap, Git, MySQL,**

Business Intelligence for card payment tracking
2023 (January)

Participation in the Business Intelligence project implementing a solution for tracking card payments using technologies: **SSIS, SSAS, SSMS, Power BI**.

Experience

SporGates
Frontend Developer (intern)
2023 (May-July)

Develop reusable components and user interfaces using the **Flutter** framework, as well as **GitHub** and **Jira** to collaborate with team members.

Looking for an internship (PFE).

As a software engineering student, I have gained a strong foundation in computer science principles and programming languages such as Java, dart, C/C++, PHP and JS. I have completed coursework in data structures, algorithms and system design, and have had the opportunity to work on several software development projects, both individually and in team environments.

Certificates

- HackerRank JavaScript (Intermediate)
- HackerRank SQL (Intermediate)
- HackerRank Java (Basics)
- MNPC22 certificate of participation
- CISCO CCNAv7

Technical Skills



Soft Skills



Langages

- Arabic Native language
- French Intermediate
- English Intermediate