

Boumouzouna Brahim Vall

Software engineering student



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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 and algorithms, and have had the opportunity to work on several software development projects, both individually and in team environments.

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.

Projects

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**.

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**.

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**.

Desktop application for car
rental management
2023 (January)

Development of a desktop application for the management of car rentals for an agency using Java, **Swing** and the **MVC** approach.

Education

GENERATION OF THE FUTURE -NOUAKCHOTT
2018-2019

BACCALAUREATE DB SERIES: BILINGUAL NATURAL SCIENCES (SNB)

Faculty of Science and
Technology Mohammedia
2019-2021

Diploma of University Studies in Mathematics, Computer Science and Physics

Faculty of Science and
Technology Mohammedia
2021-Present

State Engineering Diploma in Software Engineering and Computer Systems Integration

Certificat

- **HackerRank** JavaScript (Intermediate)
- **HackerRank** SQL (Intermediate)
- **HackerRank** Java (Basics)
- **MNPC22** certificate of participation
- **CISCO** CCNav7

Skills

• Web technologies:

- HTML
- CSS
- XML
- React
- Express js
- Bootstrap
- JEE (JSP/Servlet)
- JQuery
- NodeJs
- Spring boot

• Database technologies :

- MySQL
- SQL Server
- Oracle
- Hibernate
- PLSQL
- MongoDB

• Programming languages :

- Java
- PHP
- C/C++
- Bash
- JavaScript
- Dart
- Python
- Prolog

• Business Intelligence Tools :

- SSMS
- SSIS
- SSAS
- PowerBI

• Design patterns:

- MVC
- MVC2
- Singleton
- Memento
- state pattern
- Factory

• Modeling:

- UML
- Merise

• Mobile Dev:

- Flutter

• Other Tools:

- Hadoop
- Jira
- Docker
- Git/GitHub

Langues

- **Arabic** Mother tongue
- **French** Fluent
- **English** Good level