



BILAL ABOUZID *BACKEND ENGINEER*



Rabat, MA



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Bilal-Abouzid



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SUMMARY

I am Bilal Abouzid, Senior Computer Science Student (Big Data). I have worked hard through my journey to keep up with my academic path and combine it with self-reliance learning other technologies and tools. I'm more into backend development, so I managed to improve my backend skills and learn various tools & frameworks [NodeJS, Laravel, SQL, APIs], Servers and Linux environment, Version Control system (Git). I have done an internship and worked on personal projects regarding web development to practice my backend skills.

KEY SKILLS

- Data Modeling & Designing
- Database Management
- Web Development
- Testing & Debugging

TOOL STACK

PROGRAMMING LANGUAGES

Java

Python

C

WEB-DEVELOPMENT

NodeJS(ExpressJS)

PHP(Laravel)

ReactJS

DATABASE

SQL (MSSQL, MySQL)

NoSQL (MongoDB)

PROFESSIONAL EXPERIENCE

Full Stack Developer (Intern) | MOFA | Rabat, MA | Jun 2021 – Aug 2021

Assignments:

- Building a website from scratch that satisfies the client requirements.
- Went through the designing, implementing, and documenting phases of the project.
- I used a mix of **Design Patterns** to build the structure of the website and make it **SCALABLE** and **FLEXIBLE** to meet any future updates and changes.

Other assignments I got involved in:

- The conception of the website's functionality.
- Research on public APIs that can be helpful for our project.
- Design the technical architecture of the website using [UML].
- Develop the website using [Laravel framework of PHP, MySQL, and MongoDB].
- The integration and deployment of the website in a cloud environment.
- The preparation and issuance of the project's technical solution document.

PERSONAL PROJECTS

Covid-19 Dashboard | Power BI + SSIS + MSSQL | 2022

An interactive dashboard that summarizes the current Covid-19 status worldwide and for each country, using public open-source data.

Technical Details:

- **ETL (SSIS):**
 - Extract Covid19 data from the CSV file.
 - Transformed data, and added Date and other dimensions to make OLAP operations meaningful and more manageable.
 - Load the transformed data into an SQL database to benefit from SQL querying performance and make querying data easier, faster, and more reliable.
- **Reporting (Power BI):**
 - Connect the MSSQL database with Power BI using the DirectQuery model for faster querying.

Blog (Website) | NodeJS + Express + MongoDB | Jan 2021

A Blog where you can create your account, and login to post, delete, edit your blogs and also write comments on others blogs.

Technical Details:

- **Database:** configure MongoDB database on the cloud.
- **Server Environment:** set up NodeJS as platform to host the web server.
- **Backend Framework:** used ExpressJS to handle the requests, connect the UI with the database, and pass the data to frontend views.
- **Frontend:** simple html webpages(views) take data from backend and render it.

Project Goals:

In this project, I focused on building and implementing the server-side of the website (Database, Routing, Restful APIs, configure the run-time environment). For the frontend, I built a simple UI using pure HTML/CSS/JS.

EDUCATION

Bachelor of Science – Computer Science (Big Data)
PIIMT - Private International Institute of Management & Technology

Oct 2019 – May 2022(Expected)

Rabat, Morocco

• GPA 3.72 / 4.0

Certificates

Highest CGPA in 2020-2021

Big Data Foundations (CognitiveClass)

Languages

English: Bilingual

Arabic: Native