



BILAL ABOUZID BACKEND ENGINEER



Rabat, MA



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Bilal-Abouzid



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SUMMARY

I am Bilal Abouzid, Computer Engineering Master student. I have worked hard through my journey to keep up with my academic path and combine it with self-reliance by 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), Docker and other technologies. I have done a Software Engineering internship and worked on many personal projects to practice my problem-solving skills and technical skills.

KEY SKILLS

- Data Modeling & Designing.
- Web & Mobile Development.
- Linux and Cloud Environments (RedHat Fundamentals Cert .
- AI & Machine Learning

TOOL STACK

PROGRAMMING LANGUAGES

Java
Python

WEB & MOBILE

NodeJS(ExpressJS)
PHP(Laravel)
React & React Native

DATABASE

SQL (MSSQL, MySQL)
NoSQL (MongoDB)

PROFESSIONAL EXPERIENCE

Software Engineer (Intern) | OMNISHORE | Rabat, MA | Jun 2021 – Aug 2021

Assignments:

- Building a website from scratch that satisfies the client's requirements.
- Went through the designing, implementation, and documentation phases of the project.
- I used a mix of **Design Patterns** to design and 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.

OTHER PROJECTS

-NOT LIMITED-

Inventory Management App (Freelance Project)

NodeJS, Express, React Native, MongoDB | Jun 2022 

The client asked for an app to show dashboard of his factory business, calculated statistics, update the current status, and finally login to his account.

Technical Details

- **Database:** MongoDB on MongoDB Atlas.
- **Server Environment:** set up NodeJS as platform and run it on Heroku.
- **Backend Framework:** used ExpressJS write the APIs that handle the requests, authentication, connect with the database, and pass the data to frontend views.
- **Frontend:** React Native on the frontend with other component libraries such as NativeBase, React Navigation.

Breast Cancer Classification (Thesis Project) | Python + SKLearn + Anaconda | May 2022. The Notebook | Thesis Preview

This project is the experiment I did while writing my Bachelor's Research Paper (Thesis) to answer my Thesis questions.

Technical Details

- **Data:** Wisconsin Diagnostic Breast Cancer (WDBC).
- **Environment & Libraries:** Python 3 + Anaconda + SKLearn.

Project Details

I went through the whole process of Data Science. I started by choosing the correct Breast Cancer Data. Then, I applied the Exploratory Data Analysis (EDA). After cleaning the data, I applied the models and algorithms using different Machine Learning techniques: Single Model and Ensemble Model. Finally, I calculated and combined the models' accuracy to compare each model's performance and answer my thesis questions.

EDUCATION

Cyprus International University
Master of Science, Computer Engineering

Nicosia, Cyprus
2022 – 2024

PIIMT - Private International Institute of Management & Technology
Bachelor of Science, Computer Engineering

Rabat, MA
2019 – 2022

LANGUAGES

English: Proficient.
Arabic: Native.
Bosnian: Beginner.