




# Mohamed Aziz Bouali

Software Engineering Student

-  LinkedIn
-  GitHub
-  Upwork
-  Personal Portfolio


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## Profile

As a second year Engineering student, I'm passionate about technology with a primary focus on software development, I thrive on solving hard problems through simple, beautiful solutions. I enjoy experimenting with new tools and frameworks, constantly learning, and building efficient, scalable systems with real-world impact.


## Professional Experience

- 12/2024 – present

Upwork 


Freelance Fullstack Engineer

  - Achieved and maintained a **100% Job Success Rate** across all freelance projects, reflecting consistent client satisfaction and on-time delivery.
  - Developed and maintained fullstack web applications using Next.js, React, and TypeScript for diverse clients across various industries.
  - Built custom automation scripts to streamline workflows in Google Sheets, Docs, and Calendar, improving client productivity.
- 09/2024 – 02/2025  
Berlin, Germany

Circonomit GmbH 


FullStack Software Engineer

  - Transformed user experience by redesigning navigation workflows, and enabling inline editing, leading to significantly improved usability and increased user retention.
  - Engineered a robust AI service using Langchain capabilities to automate matching data processes, resulting in significant time savings for users.
  - Worked on the front-end and back-end of the app, using Next.js.
  - Conducted code reviews and provided feedback to other developers
- 07/2024 – 09/2024  
Berlin, Germany

Circonomit GmbH 

FullStack Software Engineer Intern

  - Enhanced application performance by fixing bugs and adding bulk delete/update features, resulting in a ~25% faster user experience.
  - Helped in migrating existing code base from SolidStart to Next.js, enhancing application performance, leading to improved development experience.
  - Built features focused on frontend and leveraging Backend for Frontend Pattern to enhance the UI/UX of the app.
- 06/2022 – 03/2023  
Sousse, Tunisia

Gomycode 


Web Development Instructor

  - Instructed more than 20 students in web development, including HTML, CSS, JavaScript, and React.
  - Developed and implemented a curriculum that focused on the fundamentals of web development, including responsive design, accessibility, and performance optimization.

## Education

- 09/2021 – present  
Sousse, Tunisia

Engineer's Degree in Software Engineering

Higher Institute of Applied Sciences and Technology 

Relevant courses include: Algorithms and Data Structures, Computer Architecture, Software Architecture, Design Patterns, Advanced Databases, Networking, Data Transmission, Algebra, Calculus, Physics, Signal Mathematics, Engineering Mathematics, Cuda Programming.

## Organisations

- 09/2023 – 09/2024  
Sousse, Tunisia

Google Developer Groups on Campus 

Technical Lead
- 11/2021 – 09/2023  
Sousse, Tunisia

Google Developer Student Club 

Team Managment Committee Member

## Skills

- |              |              |                |
|--------------|--------------|----------------|
| • JavaScript | • TypeScript | • Python       |
| • C/C++      | • LangChain  | • Next.js      |
| • Express.js | • React.js   | • Git & GitHub |
| • MongoDB    | • PostgreSQL | • Docker       |

## Languages

- |           |          |          |
|-----------|----------|----------|
| • English | • French | • Arabic |
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## Personal Projects

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|-------------------|---|
| 03/2025 – present | <b>UniDefense</b> <a href="#">↗</a><br><i>Next.js/TypeScript/MongoDB/NextAuth</i><br>UniDefense is a comprehensive web application for managing and automatically scheduling university thesis defenses. It allows administrators, professors, and students to efficiently manage the entire defense process, from project assignment to defense planning.  |
| 01/2025 – 02/2025 | <b>Choufli hal platform</b> <a href="#">↗</a><br><i>Next.js/Tailwind/TanStack Query/SupaBase</i><br>A modern, feature-rich hackathon registration portal built for Google Developer Group ISSAT Sousse's "Choufli Hal" event. This Next.js application provides an intuitive interface for participants to register for the hackathon, with a robust admin dashboard for event management.                      |
| 12/2024 – 12/2024 | <b>Hackwarts 2.0 platform</b> <a href="#">↗</a><br><i>Next.js/Tailwind/Shadcn/Mongoose</i><br>Harry Potter-themed hackathon hosting platform for our club's Google Developer Group On Campus ISSATSo.   |
| 03/2024 – 04/2024 | <b>Supermarket Admin Manager</b> <a href="#">↗</a><br><i>Java Swing/MySQL/Socket/RMI</i><br>A supermarket management system built in Java, using sockets to enable real-time monitoring of users, adding products, consulting them, and more features.  |
| 03/2024 – 04/2024 | <b>Workshops Management System</b> <a href="#">↗</a><br><i>Java Swing/MySQL/Socket</i><br>A user friendly interface for managing workshops, students who attend them and the teachers who give them. The application is made using Java Swing for the GUI and MySQL for the database.   |
| 07/2023 – 07/2023 | <b>Hackwarts Discord Sorting Bot</b> <a href="#">↗</a><br><i>JavaScript/Discord API</i><br>The Hackwarts Discord Sorting Bot is a magical creation designed to enhance the experience of participants in the Hackwarts Hackathon. This bot adds an immersive layer to the hackathon's Discord server, sorting participants into distinct houses and dynamically creating private rooms for each house and team. |
| 03/2023 – 04/2023 | <b>Ticket Reservation API</b> <a href="#">↗</a><br><i>JavaScript/Node.js/Express.js/MongoDB/Multer</i><br>The Ticket Reservation API is a robust system built with JavaScript, designed to handle ticket reservations for train journeys. The API provides endpoints for user registration, login, ticket management, and seat availability queries.  |
| 05/2022 – 06/2022 | <b>2D Platform FightingGame</b> <a href="#">↗</a><br><i>HTML/JavaScript/CSS</i><br>A 2D Platform Fighting Game that was developed using HTML, CSS, and JavaScript.  |
| 02/2022 – 02/2022 | <b>ISSATSO schedule scrapper</b><br><i>Node.js/Express.js/Cheerio.js</i><br>This script allows us students to scrape data from our college's website, and consult the classrooms that are not in use at a given date, it was made by puppeteer and vanilla JavaScript.  |
| 07/2021 – 07/2021 | <b>RestApi</b> <a href="#">↗</a><br><i>JavaScript/Node.js</i><br>A simple restAPI made by vanilla nodeJS (no external node packages) and a simple data base created using the file system.<br>This project was made fully for learning purposes to understand the tools that we usually work with and how they are built and how they operate on a low level.   |

02/2021 – 02/2021

### **File sharing application**

*Node.js/MongoDB/ejs*

A file transfer/sharing application.

made to solve a problem of mine where I want to share multiple files between my computers without having to deal with external services

12/2020 – 02/2023

### **sabot**

*JavaScript/Discord.js*

Sabot is a multi Purpose Discord Bot that can do a lot of things like Moderation, Fun, Utility, Music, and more. It was developed using Node.js and Discord.js

This project was mainly used to learn, everytime I learn something new I implement it in this bot (like api calls, audio streaming...)

## **WORKSHOPS AND CONFERENCES - HOSTED**

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- Project Management Principales in Hackwatts 2.0 2024 (conference)
- Hands-On Problem Solving: Calculating the time & space complexity of an algorithm 2024
- Mastering Backend Dev: exploring Express.js and MongoDB integration 2023
- Web Development workshop : Getting started with web dev 2023
- Web Development as a career choice in Choose Your Destination 🚀 Vol 3.0 2023 (conference)
- Introduction to Web Development workshop 2022
- Hands-on Workshop - In person : code your own Discord bot 2022

## **Awards**


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### **AI WAVE 2nd prize**

*EPI Digital School*

## **Certificates**

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- Using Python to Interact with the Operating System 
- Crash Course on Python 