

Moncef Zabat

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Summary

Software Backend Developer specializing in **Django** and **Django REST Framework**, with a strong foundation in designing and implementing **RESTful APIs**. Currently advancing my expertise through an **Engineering and Master's degree in Computer Science**, with a growing interest in **secure software development** and cybersecurity principles. Proven ability to build robust backend systems, and collaborate effectively in competitive environments.

Education

Higher School of Computer Science, Sidi Bel Abbès (8 Mai 1945)

Sept 2023 – Present

Engineering and Master's Degree in Computer Science

- Expected Graduation: 2028
- **Coursework:** Object-Oriented Programming (OOP), Algorithms, Data Structures and Algorithms (DSA), Networking, Operating Systems, and Core Computer Science Skills

Skills

Languages: Python, JavaScript, SQL , HTML, CSS , Bash

Backend: Django, Django REST Framework, API Documentation, Third-party API Integrations, Sqlite, PostgreSQL, MongoDB , Docker

Cyber Security: Linux , API Testing , OWASP TOP 10 , OSINT, Burp Suite, Web Security

Others: OOP , DSA , Python/Shell Scripting , Git, GitHub, CI/CD , Azure/Render Deployemnt, Prompt Engineering

Soft Skills: Problem-Solving, Teamwork , Communication

Experience

Technical Team Member

Oct 2024 – Present

Ingeniums Club

- Designed and developed programming challenges to enhance participants' technical and problem-solving skills.

CTF Player

2023 – Present

Trojeun & Kuastro

- Achieved strong placements in international Capture The Flag (CTF) competitions.
- Enhanced Python and Django skills by analyzing and exploiting real-world Django-based applications during challenges.
- Developed a strong understanding of backend security concepts, including API security, authentication mechanisms, and system vulnerabilities.

Projects

CyberMaster Platform

[GitHub](#) 

2024 – Present

Backend Developer

- Developed a cybersecurity learning platform allowing users to solve labs, browse courses, and take certification exams.
- Built secure RESTful APIs using Django and Django REST Framework; implemented JWT-based authentication and PostgreSQL database.
- Designed and developed features including lab submission system, student ranking , badges management and others features
- Integrated an interactive chatbot with Gemini API, fetching real-time responses to assist users with advice

and instructions.

- Created cybersecurity labs using Python libraries, Bash scripting, Docker and other technologies.
- Documented The API with Swagger
- containerized the application with Docker for deployment.

Noor Laboratory Platform

[GitHub](#) 

2024 - Present

Fullstack Developer

- Developed a web application for online medical appointment booking and laboratory test result management.
- Built using Django, HTML, CSS, JavaScript, and Bootstrap for the frontend, with Django REST Framework for backend APIs.
- Implemented user authentication for secure signup and login.
- Designed appointment scheduling features and allowed users to view test results by entering a unique code.
- Integrated a notification system with Django Channels to send real-time notifications: when users book appointments.
- Deployed the application using Gunicorn and Render for production hosting.

E-commerce API

[GitHub](#) 

2025




Backend Developer

- Developed a custom e-commerce REST API using Django and Django REST Framework for a Next.js frontend.
- Implemented product browsing, search, filtering, reviews, order management, cart system, and integrated online payments using Chargily.
- Secured authentication with JWT and documented the API using Swagger.

Languages

- Arabic, English, French

Certifications and Achievements

- [Web fundamental Certification](#) 
- [HackerRank](#) 
- [Cybertalents "sirmoncef"](#) 
- [TryHackMe](#) 