

Abdelaziz EL HAYYANY

software engineer

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📍 Ben Guerir, Morocco

PROFILE

I've completed a variety of projects and had a variety of educational and professional experiences, which have given me a very broad but fundamental understanding of programming and computer science on general. By the time I became more and more fascinated by complicated software systems. I am keen to apply my knowledge to practical solutions and use it to increase corporate profitability.

SKILLS

- Python (NumPy, Pandas matplotlib ...)
- SQL
- C/C++
- Node.js(ExpressJS & NestJS)
- Docker
- Problem solving / Quick learner
- git

INTERESTS

- AI/ML
- Cloud computing
- DevOps

LANGUAGES

Arabic

English

PROFESSIONAL EXPERIENCE

Backend developer

Back-end Developer at GREEN ENERGY PARK

04/2023 – 07/2023

I served as a backend developer at GREEN ENERGY PARK, where my primary responsibility revolved around establishing communication between electric vehicle chargers and a central system using a specific protocol. This role has provided valuable experience in integrating systems and working with protocols in a real-world setting. The application I developed has been successfully implemented and will serve all users for seamless electric vehicle charging experiences.

PROJECTS

WEBSERV

HTTP web server (team of 3)

05/2023 – 06/2023

- Collaborated in a team of three to develop a non-blocking HTTP server from scratch using C++. Configured with stress-tested resilience, it supports static websites, file uploads, and key HTTP methods.
- In-depth understanding of protocols, APIs, and server architecture, compatible with NGINX standards.
- Implemented support for cookies and multiple CGI for versatile functionality.
- Allowed us to delve into the intricacies of web development and gain hands-on experience in server-side programming.

FT_CONTAINERS

STL containers

01/2023 – 03/2023

- Developed 'ft_containers,' a C++ project recreating STL containers (vector, stack, map, set).
- Implemented red-black trees for set and map, enhancing OOP understanding.
- Strengthened skills in memory management and algorithm design.
- Comparable to container implementations in other programming languages like Python and JavaScript ...

ORGANIZATIONS

Coding Instructors - UM6P BootCamp

Collaborated with a friend as instructors, teaching Python coding to a diverse group of 25 students at UM6P. Instructed students with varied backgrounds and degrees, enhancing their programming skills. Through the BootCamp, improved our communication and soft skills, ensuring effective explanations. By the program's conclusion, all students demonstrated the ability to independently fulfill daily tasks using Python, such as data visualization and text parsing.

UM6P SD Ambassador

- UM6P sustainable development Ambassador