

Mohamed Ait Aad

Software Engineer



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🔗 <https://github.com/medfx69>

🎓 EDUCATION

Software Architect

1337 Coding School

11/2021 – present

chemistry class

Université Ibn Zohr

09/2018 – 07/2021

high school degree

Hassan 2

09/2015 – 06/2018 | oulad teima, Morocco

🧠 SKILLS

python

(Django, flask, scripting)

Typescript/JavaScript

(AngularJS, ReactJS, NodeJS)

DataBase

(MySQL, MongoDB)

C/C++

(OOP, multi-process, Multithreading, Graphics)

JAVA

(spring boot, GUI Programming)

HTML/CSS

Linux

Development and server management(Git, Docker...)

🌐 LANGUAGES

Arabic

English

French

German

📁 PROJECTS

HTTP WebServer

(C++ programming language) :

- Build a non - blocking HTTP 1.1 server written in C ++ and compliant with the HTTP RFC.
- Designed and implemented a high-performance WebSocket solution using socket programming techniques, leading to significant enhancements in data transfer rates and an improved user experience.

Minishell

(C programming language) :

- The Minishell project involves creating a shell with features like prompt display, command history, executable search, quote handling, redirections, pipes, environment variable expansion, signal handling, and built-in commands (echo, cd, pwd, export, unset, env, exit). It follows the subject's guidelines and ensures memory management within the scope of the project.

Online Pong Game Website

(NESTJS, ReactJS and Socket.io) :

- Create a real-time game streaming feature with Socket.io and NESTJS, delivering dynamic gameplay experiences and driving higher player retention rates.

Inception

(docker containers):

- Deploying a small infrastructure with Docker Compose involves running services in separate containers, utilizing Dockerfiles and volumes. By adhering to best practices, such as using stable base images and configuring secure entrypoints, you can demonstrate proficiency in Docker Compose and efficient container deployment.

💼 PROFESSIONAL EXPERIENCE

Upwork

Software Engineer freelancer

08/2023 – present

Responsibilities:

- **Python Scripting:** Developed Python scripts for API data retrieval, web scraping, and AI module integration during a two-month freelance project, enhancing data processing efficiency.
- **Node.js Development:** Engineered a real-time group chat application using NestJS, and built a streamlined back-end with two endpoints, demonstrating strong full-stack development capabilities.
- **React.js Website Development:** Designed and implemented a dynamic, animated React.js website with visually captivating pages, delivering the project within a two-month timeframe.

UM6P college of computing

Software Engineer

01/2024 – 06/2024 | Ben Guerir, Morocco

Responsibilities:

- **Linux Administration:** Customized and configured Debian installations and servers to optimize performance and security.
- **Python Development:** Developed Python and Bash scripts to automate project environment setup and built a backend service using Django.
- **JavaScript/TypeScript Development:** Created web applications with AngularJS, delivering responsive and user-friendly front-end experiences.
- **Database Management:** Managed MySQL databases for efficient application data storage and utilized MinIO for handling large-scale data files.