

YAHYA ABAD

Tetouan

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SUMMARY

Python Developer with expertise in developing scalable software solutions using Python, C/C++ and Java. Experienced in optimizing application performance and implementing multithreading. Eager to leverage technical skills in innovative software development projects.

EDUCATION

USMBA university

Sep 2016 - 2018

Completed 2 years of coursework

Fes

Operating systems, Linear Algebra, Basic Algorithms, C/C++ Programming, Network Programming.

1337 Coding school

Oct 2022 - Present

Common Core

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Operating systems, Algorithms and Data Structures, Graphics, Low level programming, Network programming, OOP, Web Programming.

PROJECTS

Inception

Aug 2023 - Sep 2023

- Executed a comprehensive system administration project using Docker and Docker-Compose, successfully virtualizing multiple services and optimizing deployment efficiency.
- Created and managed Docker containers for NGINX, WordPress, and MariaDB, ensuring service isolation and efficient resource utilization.

ft IRC

Dec 2023 - Jan 2024

- Developed a high-performance IRC server in C++ using socket programming, facilitating seamless network communication and real-time messaging for up to 1000 concurrent users.
- Integrated essential IRC protocols, ensuring seamless interaction with IRC clients, supporting user authentication, nickname setting, and private messaging.
- Ensured non-blocking I/O operations, maintaining server responsiveness under high load conditions.
- Applied short polling techniques to efficiently manage concurrent client connections, optimizing real-time messaging and resource utilization.

Url Shortener

Apr 2024 - May 2024

- Django-based URL shortener with user authentication and registration
- Tracks URL views and displays statistics using Chart.js
- Fetches metadata (title, description, favicon) for shortened URLs

ft transcendence

Jun 2024

- Developed a comprehensive web-based Pong game with real-time multiplayer functionality
- Implemented secure authentication using the 42 API
- Created frontend pages for login, registration, and game using vanilla JavaScript as a SPA.
- Designed the logic for remote multiplayer gameplay using WebSockets
- Fully implemented JWT strategy for securing API endpoints
- Led strategic decisions on design patterns and technologies, ensuring cohesive integration and communication between components

Avaj Launcher

Aug 2024 - Aug 2024

- Implemented Observer, Singleton, and Factory design patterns
- Honed my Java syntax skills
- Deepened my understanding of Object-Oriented Programming

WORK EXPERIENCE

FSAC LIB

Feb 2024 - Sep 2024

Python developer

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- Developed a terminal-based Python application to efficiently manipulate and extract data from a large database, improving data retrieval speed and accuracy

SKILLS

- C/C++, Java, Python, Javascript, Django, Docker, Multithreading, OOP, Git, Rest APIs, PostgreSQL, HTTP, HTTP2, Design patterns, Parallel Programming