ELMOUTOUAKIL KHADIJA
Software Developer

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Profile

Software developer at 1337 Coding School with a focus on full-stack web development, skilled in both frontend and backend technologies. Committed to delivering smooth user experiences alongside strong server-side solutions. Motivated by a passion for creative problem-solving, I strive to develop innovative digital solutions that improve daily life.

Projects

Ft Transcendence

Django | PostgreSQL | Vanilla JavaScript | HTML, CSS | Docker, Git

- Developed backend infrastructure by creating efficient endpoints for data retrieval and management, ensuring seamless request-response handling.
- Implemented Two-Factor Authentication (2FA) to enhance security measures for user accounts.
- Designed and coded dynamic frontend pages using HTML, CSS, and Vanilla JavaScript to create a responsive single-page application experience.
- Orchestrated services and automated CI/CD workflows utilizing Docker and GitHub Actions to streamline the development, testing, and deployment processes.

WebServer

Technologies : C++98 | Socket Programming

- Built a C++98-compatible HTTP web server from scratch.
- Supports HTTP GET, POST, and DELETE requests, serving both static files and dynamic content via CGI.
- Handles multiple concurrent client connections using select() for efficient performance.

Inception

Technologies:Docker, Docker compose, NGINX, WordPress, MariaD

- Set up a robust infrastructure with Docker Compose, integrating NGINX, WordPress, and MariaDB containers.
- Optimized performance and ensured smooth communication between services through effective Docker management.

MiniShell

Thechnologies : C

- Develop a command-line Shell interface, "minishell," implementing basic functionalities such as prompt display, history management, and command execution based on the PATH variable.
- Incorporate advanced features, including the handling of quotes, redirection, pipes, environment variables, and built-in commands, following the behavior of a typical Unix shell.

Education

Software Developer | 2022 - current	**Bachelor's degree in mathematics applications**	**Baccalaureat in Mathematics Sciences**
1337 Coding School - UM6P	Faculty of science Semlalia Marrakech. (2023)	qualifying high school Tassout Elkelaa des Sraghnas (2016)_

Language

English
French
Arabic

Expertise

- C/C++
- JavaScript / React Js
- HTML/CSS /Bootstrap
- Django / Python
- PostgreSQL / SQL
- Docker
- Version control Git
- Problem-solving

Hobbies

- Sports (swimming, basketball)
- Programming