

OUSSAMA EZZAOU

SOFTWARE ENGINEER

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SUMMARY

Passionate software engineer with a strong background in system-level programming (C/C++), software design, design patterns, and web development (Python, Django).

SKILLS

- Python, Django.
- C, C++.
- Javascript, React.
- Java, Android Studio.
- Linux, Docker, Redis, Git.
- Bash, Lua.
- Teamwork Spirit.
- Problem-Solving.
- Adaptability.
- Touch Typing (90 wpm)

PROJECTS

PINGPONG-GAMEPLAY-API

- A WebSocket-based API for real-time Ping Pong dual gameplay, This service manages game state, ball movement, and scoring. Designed for easy integration with external systems for player connections.

Technologies: Django, Django Channels, Celery, Docker, Redis.

DUAL-MATCHMAKER-API

- A matchmaking service that pairs players in real-time based on their skill level (1-100) and assigns them to a game session. This service can be integrated with any 1v1 game, such as Chess, Fighting Games, ...

Technologies: Django, Django Channels, Celery, Lua, Docker, Redis.

DOCKSTRUCT

- DockStruct is a system administration and DevOps project that involves setting up a virtualized infrastructure using Docker.

Technologies: Docker, Docker Compose, Makefile, mariadb, wordpress, nginx.

HTTP-WEBSERV

- A reactive HTTP server built from scratch in C++. It handles requests, serves static files, parses headers, supports multiplexing for multiple connections, and enables script execution via CGI.

Technologies: C++, Makefile.

MiniSH

- A simple shell similar to Bash, handling commands, pipes, redirections, sub-shells, logical operators, ENV variables, and more.

Technologies: C++, Makefile.

EDUCATION

SOFTWARE ENGINEERING PROGRAM GRADUATE

1337 | UM6P | 42 Network

2022-2024

Specialized in Software Development.

ADDITIONAL INFORMATION

- **Languages:** Arabic, English.
- **Certifications:** Currently Pursuing: Certificate in Software Engineering (1337Med), Baccalaureate in Physical and Chemical Sciences.