



# Oussama Redoine

Full Stack developer

## SKILLS

### Backend

Django PostgreSQL Redis

### Frontend

React Nextjs Tailwind HTML/CSS

### Other

Git/Github NPM Figma Unix CLI

### Languages

Javascript Python C/C++

### DevOps

Docker CI/CD pipelines Kubernetes

## SUMMARY

I'm a Full-Stack Developer skilled in React, Django, and JavaScript, now focusing on DevOps. I have hands-on experience with CI/CD, Docker, and Kubernetes, and I'm passionate about automating workflows and optimizing infrastructure. Always learning, I adapt quickly to new technologies to improve development processes.

## EXPERIENCE

### Smash Pong

Full-stack web development ping-pong game project built with **Django**, **React**, **Docker** and **PostgreSQL**.

- Developed a single-page ping pong app with React and Django Rest Framework, managing user authentication, notifications, friendships, friend requests, and CRUD operations for user data.
- Implemented real-time communication with Django Channels and **WebSockets**, enabling seamless game rendering updates between the **backend** and **frontend** for smooth remote **gameplay**.
- Implemented a series of **RESTful API** endpoints using **Django REST Framework (DRF)** for channel management, including creation, modification, and deletion, to enhance administrative efficiency

### Docker Dominion

Built a scalable infrastructure for a WordPress site leveraging virtualization and containerization technologies.

- Created custom **Dockerfiles** for essential services, including a **TLS-secured NGINX**, WordPress with **PHP-FPM**, and **MariaDB**.
- Utilized **Docker Compose** to orchestrate containerization, ensuring each service runs smoothly in its own dedicated container
- Leveraged **Docker volumes** for data persistence and configured secure networking between containers to ensure safe communication

### Chatter Box

An implementation of an Internet Relay Chat (IRC) server using **C++**

- Implemented user commands like JOIN, PART, KICK, and INVITE according to the IRC protocol, allowing users to join, leave, and manage channels effectively.
- Utilized non-blocking I/O operations to enable the server to process multiple client requests concurrently without delay

## EDUCATION

### 1337 Coding School (42 Network)

- Completed the common core program at 1337 (42 Network), mastering problem-solving and advanced programming skills.

### Ecole Supérieure de Technologie Berrechid

- Diploma in Computer Engineering from the National School of Technology in Computer Engineering (DUT).

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