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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