OUSSAMA REDOINE

Full Stack Developer

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Portfolio | GitHub | Linkedin

PROFILE

Full Stack Developer with a strong foundation in software development and hands-on experience in web application development. Skilled in **React (Next.js)**, **Django**, **Laravel**, and experienced with **Docker** and **RESTful APIs**. Focused on building real-world projects and growing in collaborative teams.

EDUCATION

1337 Coding School (42 Network) — Khouribga
Computer Science — 2022 - Present

Ecole Supérieure de Technologie Berrechid — Berrechid
Diploma in Computer Engineering (DUT)

SKILLS

Languages:	C, C++, Python, JavaScript, TypeScript, PHP
Libraries/Frameworks:	React, Next.js, Django, Laravel, FastAPI
Tools / Platforms:	Git, GitHub, Docker, Shopify API, WordPress
Databases:	PostgreSQL, MySQL, Prisma, Redis
Concepts:	REST APIs, WebSockets, CI/CD, Unit testing, Microservices

PROJECTS

Brand Guard ⬡   *React, TypeScript, Python, FastAPI, Google Gemini AI*

An AI-powered brand asset extraction and auditing tool that analyzes brand guidelines and website compliance for design consistency.

- Built a **React TypeScript** frontend with **Vite.js** for real-time PDF processing and brand asset visualization.
- Developed a **Python FastAPI** microservice using **PyMuPDF** to extract fonts, colors, logos, and icons from PDF brand guidelines.
- Integrated **Google Gemini AI API** for intelligent asset filtering to distinguish true brand assets from decorative elements.
- Implemented web crawling functionality to audit live websites and detect brand guideline violations across fonts and color usage.
- Containerized the application with **Docker** for scalable deployment with isolated frontend and backend services.

Wholesale Hub ⬡   *Laravel, React, Next.js, PostgreSQL, Shopify API*

A comprehensive B2B wholesale marketplace platform connecting store owners with wholesalers for bulk product ordering and inventory management.

- Architected and developed a full-stack platform using **Laravel** backend with **React/Next.js** frontend for dual-access system (store owners and wholesalers).
- Integrated **Shopify API** for seamless store connection, enabling automatic product synchronization and inventory management.
- Implemented real-time features including order tracking, notifications, and activity logging using **WebSockets** and event broadcasting.
- Built secure authentication system with email verification, password reset functionality using **MailHog**, and JWT token management.
- Designed database architecture with **PostgreSQL** for managing multi-vendor catalogs, collections visibility, and wholesale pricing tiers.

- Deployed with **Docker Compose** orchestrating Laravel, React, PostgreSQL, and Redis for development and production environments.

Smash Pong ⌂   *Django, React, Docker, PostgreSQL*

A Full Stack single-page multiplayer ping pong web application with real-time gameplay and user management features.

- Developed a responsive frontend with **React** and backend with **Django REST Framework**, handling authentication, notifications, friendships, and friend requests.
- Enabled real-time multiplayer gameplay using **Django Channels** and **WebSockets** for smooth in-game interactions.
- Designed and implemented RESTful API endpoints for game and channel management to support user and admin operations.
- Integrated a **PostgreSQL** database using **Django ORM** for efficient data storage and retrieval.
- Deployed the application with **Docker** for reliable containerization and scalability.

IRC Server ⌂   *C, C++, Non-blocking I/O*

A fully functional IRC server implementing core IRC protocol commands for real-time channel management.

- Implemented IRC commands (JOIN, PART, KICK, INVITE) enabling users to join, leave, and moderate channels precisely.
- Developed command handling compliant with RFC 1459 for robust user and channel management.
- Utilized non-blocking I/O to handle multiple client requests concurrently, ensuring high responsiveness.
- Optimized server performance to support real-time interactions under heavy load.

Inception ⌂   *Docker, NGINX, WordPress, MariaDB*

A secure Docker-based infrastructure project deploying web services in isolated containers.

- Set up and configured containers for **NGINX**, **WordPress**, and **MariaDB** with secure networking.
- Ensured data persistence using **Docker volumes** to maintain state across container restarts.
- Created an **isolated Docker network** to enhance service communication security.