

Adil Raqioui

FullStack Developer

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Profile

As a fullstack software engineer with a passion for web development and problem-solving, I thrive at the intersection of frontend and backend innovation. Mastering a range of **JavaScript frameworks** and libraries, I craft dynamic, user-centric applications that blend seamless functionality with engaging interfaces. Always on the pulse of industry trends, I continuously expand my skills to deliver transformative digital experiences that make an impact.

Skills

Backend

NodeJs, ExpressJs, NestJs, MongoDB, PostgreSQL

DevOps

Docker, Test-driven development

Frontend

React, NextJs, TailwindCSS, StoryBook

Other

Git/GitHub, NPM, Webhooks, API testing

Mobile

React Native

Projects

Pongy (Collaborated Project)

A real-time online pong contest website With **Next.js**, **Nest.js**, **Docker** and **PostgreSQL**.

- Developed and implemented a WebSocket gateway using **Socket.io** for real-time chat and channel management, supporting public, private, and protected channels.
- Designed and structured a **PostgreSQL** database schema using **Prisma ORM**, ensuring efficient storage and retrieval of chat and channel data.
- Created **RESTful API** endpoints for channel management, including creation, banning, kicking, and deletion, delivering robust admin functionalities.
- Built responsive and engaging user interfaces for channel interactions and chat, ensuring seamless user experiences across devices.
- Configured **Docker** environments for development and deployment, enhancing project scalability and simplifying workflows.

Authentication-MVC

- Developed a secure authentication system with manual and Google OAuth options, integrating JWT for session management and token validation.
- Built responsive EJS views for user sign-in, seamlessly connecting frontend forms with backend authentication logic.
- Designed and implemented a Singleton pattern for user storage, efficiently managing sessions without a database.
- Created custom middleware for JWT validation, ensuring secure access control and session management across the application.
- Handled form validation and error handling on the frontend, streamlining the authentication process for users.

Inception - Dockerized System

- Executed a project to set up a small infrastructure using **Docker** within a **virtual machine**.
- Developed custom **Dockerfiles** for services, including **NGINX** with **TLS**, **WordPress** with **php-fpm**, and **MariaDB**.
- Configured **Docker Compose** to manage containers, ensuring each service ran in its dedicated container.
- Implemented **Docker volumes** for data persistence and established secure inter-container networking.
- Achieved efficient container management with auto-restart capabilities and utilized environment variables.
- Configured a domain to resolve to the local IP address, adhering to security and best practice guidelines.

Education

2022 - Present	Bachelor's Degree in IT Architecture
Khouribga, Morocco	1337 - 42 <i>Network</i>
2019 - 2021	Specialized Technician Diploma in Civil Engineering
Settat, Morocco	<i>EMFMBTP</i>
2018 - 2019	High School
Fkih Ben Salah, Morocco	<i>El Kindi High School</i>

Certifications

JavaScript Certificate

HackerRank

C Problem Solving

CodinGame