

ABDELLAH AGOUZOUL

Software Engineer

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Portfolio | GitHub | LinkedIn

SUMMARY

Dedicated Full Stack Software Engineer specializing in web and mobile applications. I design scalable backends with Django and Express.js, create responsive web interfaces with React.js, and develop mobile apps using React Native and Expo. Passionate about problem-solving, innovative technologies, and delivering high-quality software solutions that make an impact.

EDUCATION

1337 Coding School (42 Network)

Computer Science / Computer Engineering

Khouribga

2022 - Present

Institut Spcialis de Gestion Informatique (ISGI)

Diploma in Rseaux Informatique (TRI)

Khouribga

2017 - 2020

SKILLS

Programming Languages: C, C++, JavaScript, TypeScript

Libraries/Frameworks: React, Next.js, React Native, Expo Router, Django, Express.js

Tools / Platforms: Git, GitHub, Unix CLI, Docker

Databases: PostgreSQL, Prisma, Redis

PROJECTS

Paddlefy

Django, React, Docker, PostgreSQL, Redis

A robust web application enabling seamless real-time communication and efficient channel management, built with Django and React.

- Created an interactive and responsive user interface for chat and channel interactions, providing a smooth experience across all devices.
- Implemented real-time communication using Django Channels and WebSockets, enabling live interactions and dynamic updates across the application
- Designed a PostgreSQL database schema using Django ORM to ensure efficient storage and quick access to chat and channel data.
- Deployed the application using Docker, ensuring seamless containerization and scalability.

Barbershop Booking System

React, TailwindCSS

An intuitive application for scheduling and managing barbershop appointments.

- Developed a responsive and user-friendly interface for booking and managing barbershop appointments.
- Simulated backend functionality using local storage for rapid development and testing.
- Designed a dynamic calendar system for real-time slot availability and appointment tracking.
- Created a comprehensive presentation of services, pricing, and barber expertise to enhance user engagement.

Inception

Docker, Nginx, WordPress, MariaDB

An infrastructure for a WordPress site using containerization and virtualization technologies

- Built a secure and scalable infrastructure for a WordPress site using Docker and Nginx.
- Created custom Dockerfiles for services like NGINX (secured with TLS), WordPress, and MariaDB.
- Utilized Docker Compose to manage containerized services and ensure data persistence with Docker volumes.
- Designed an isolated network for containers to enhance security and controlled communication.

IRC

C++

An implementation of an IRC server featuring user authentication, real-time communication, and non-blocking I/O.

- Developed an IRC using object-oriented design principles in C++, with full support for user authentication and channel management.
- Implemented non-blocking I/O operations to process multiple client requests concurrently without delay.
- Ensured real-time communication and smooth data flow between clients on the server.

BashLite

C language

A custom UNIX-like shell developed in C, implementing essential shell functionalities such as pipelines, redirections, and built-in commands.

EXPERIENCE

Freelance | Full-Stack Mobile Developer

Oct 2024 - Jan 2025

Developed a mobile app for the Ajyal Association using React Native with Expo Router and Express.js to manage the association's orphan and family welfare programs. Key contributions include:

- Designed and developed a scalable mobile app using React Native, Expo Router, and Express.js.
- Built a robust backend with Express.js and Prisma, integrating PostgreSQL for efficient data management and notifications.
- Created real-time tracking features for educational sessions, medical assistance, and member profiles.
- Implemented export features for generating program reports and analytics, improving operational efficiency.
- Delivered an intuitive admin interface, simplifying project tracking and beneficiary management.