AHAMMAM LHOUSSAINE

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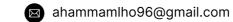
Experience

Full Stack Developer
Lendstack

February 2024 – July 2024
6 months · Full-time

- Worked with Next.js, Tailwind CSS, React Query, and TypeScript to build a micro-finance website where users can manage their applications, create new ones, and go through the steps to apply for a loan.
- Developed a robust API using NestJS to handle various functionalities for a web application, including user authentication, data management, and third-party integrations, ensuring efficient and secure communication between the client and server.
- Built a micro-service using NestJS that allows users to send SMS messages through providers such as Infobip, Twilio, and ShortLink, ensuring reliable and efficient message delivery.

Projects

FT_TRANSCENDENCE 1337 School

- This project is an online multiplayer ping pong game that was developed by a collaborative team effort. The game boasts features such as a chat system, player profiles, and a friends list. It was built using Docker for containerization, Next.js for the frontend, and Nest.js for the backend.
- Chat System: Communicate with other players in real-time through an integrated chat system.
- Player Profiles: Create and customize your player profile to showcase your achievements and progress.

Inception 1337 School

- Set up a small infrastructure composed of different services under specific rules.
- Centralized and scalable database solution with MariaDB, providing a reliable foundation for data storage for connected services.
- Created Docker containers for WordPress CMS and high-performance Nginx web server with enhanced security features.

Activia Challenge Lendstack

- Developed an application that allows users to scan two Activia products daily for a chance to win a prize.
- Implemented the user interface using Next.js, ensuring a seamless and responsive experience for users.
- Architected a scalable backend system with NestJS that enabled seamless management of over 1,000 user accounts and tracked 5,00+ prize entries monthly; improved system performance by 50%, ensuring reliability and efficiency.
- Integrated ShortLink as the SMS provider to verify phone numbers during user registration and send notifications.
- Developed a dashboard for administrators to monitor user participation, including tracking the number of users in the challenge and daily product scans.

Education

1337 School, UM6P (42 Network)
IT Solutions Designer and Developer

Novembre 2021 – July 2024
Khouribga, Morocco

- Focus on designing, developing, and deploying robust digital solutions.
- Combines technical assessment, continuous technological survey, and project management.

National High School for Electricity and mechanics
State diploma in mechanical systems engineering

September 2018 – July 2021
Casablanca, Morocco

- Studied Matlab and C++ for computational and programming skills.
- Worked with Catia and AutoCAD for designing mechanical systems and technical drawings.

Preparatory classes for engineering schools
Mathematics, physics and engineering sciences

September 2016 – June 2018
Errachidia, Morocco

- Mathematics: Developed strong analytical and problem-solving skills essential for engineering.
- Python: Acquired programming skills for various applications and data manipulation.

Technical Skills

Languages: C, C++, JavaScript, TypeScript, SQL, Python, Dart, Html, CSS.

Technologies: React.js, Next.js, Material UI, Bootstrap, Redux, Tailwind CSS, Node.js, Nest.js, SupaBase, Strapi, Android SDK, iOS SDK, Flutter, Docker.

Concepts: Compiler, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, API, Database Normalization, Agile Methodology.

Language

Arabe : Native language
Frensh : pre-intermediate
English: pre-intermediate