

Mohamed Aziz Issaoui

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Education

EPI Digital School

Software engineering degree

June 2023

- Big Data Project: dockerized hadoop and spark streaming server.
- Java Project: springboot server for an admin dashbaord.
- React Project: frontend for video streaming application.
- DevOps Project: Jenkins CI/CD pipeline.

EPI Polytechnic School

Preparatory cycle for engineering studies

May 2019

Ahmed Tlili High School

Mathematics baccalaureate

July 2017

Technical Skills

- C/C++
- JAVA
- Python
- HTML/CSS/JavaScript
- ReactJs/NextJs
- HTMX
- NodeJS/Bun
- Express/Fastify/Spring-boot/Elysia
- MongoDB/Postgresql/Redis
- Typescript/Javascript
- Tailwindcss
- Docker

Professional Experience

Extra Virgin Travel Agency

Sfax, Tunisia

Software Engineer Intern

Februray 2023 - June 2023

- Crafted a full-stack travel agency web application, employing ReactJS and Next.js on the frontend, backed by Node.js with Express middleware, and MongoDB for the database.
- Implemented a robust search engine using MongoDB, enabling efficient query handling.
- Facilitated secure online payments through Stripe integration.
- Introduced an AI recommendation system utilizing Python to enhance user experience.
- Conducted comprehensive end-to-end testing with Cypress to ensure application reliability.
- Established CI/CD pipeline using github actions.
- Dockerized the application for increased efficient deployment across various environments.

Gafsa Phosphate Company

Gafsa, Tunisia

Software Engineer Intern

December 2022 - January 2023

- Enhanced the performance and user interface of the company's ERP software.
- Integrated contemporary, higher speed database solutions for optimal efficiency.
- Elevated user experience by introducing a sleek and intuitive design upgrade.

EPI Digital School

Sousse, Tunisia

Software Engineer Intern

May 2022 - June 2022

- Developed a full-stack video-sharing social media application with ReactJS powering the frontend, NodeJS utilizing Express middleware for the backend, and MongoDB serving as the database.
- Key features include the ability to like, dislike, comment on, and share videos, fostering an interactive and engaging user experience within the platform.

Certifications

- [Complete JavaScript, XML, AJAX and React Bootcamp.](#)

Projects

A Chess Game Web Application: [LINK](#)

- Built a dockerized scalable nodejs backend with fastify that can be initiated on multiple ports with the help of caddy reverse proxy as a load balancer.
- Integrated a full authentication flow with the ability to use google as a provider.
- Employed a combination of web sockets and redis to manage intricate gameplay logic, real-time events, chat functionality, and data operations.
- Crafted an efficient, sleek user interface using React.js and Next.js, leveraging React server components for optimal performance and clean design.
- Implemented unit tests and end-to-end tests to ensure reliability.
- Established a streamlined CI/CD pipeline using GitHub Actions for seamless deployment and continuous integration.

A React Live Streaming Player Library: [LINK](#)

- Setting up Rollup and Babel to build a comprehensive video component library tailored for React.
- Leveraging the hls.js library to seamlessly deliver VODs (Video on Demand) or live video streams and render them via a video element.
- Incorporating bitrate options, enabling users to select their preferred bitrate level for an enhanced viewing experience.

A Production Ready Reddit Clone: [LINK](#)

- Built a reddit clone with my own twist and design changes.
- Utilizing modern technologies such as Next.js with React server components, Tailwindcss, Prisma, and UploadThing for file uploads.

Related Links

Github: <https://github.com/mudai11>

Linkedin: <https://www.linkedin.com/in/muhamed-aziz-issaoui>