

Aloui Louai

FULLSTACK ENGINEER

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“Be the change that you want to see in the world.”

Work Experience

DIGITAL ROGUE WAVE.

Tunis, Tunis

BACKEND ENGINEER

Dec. 2022 - Sep. 2023

- Designing and implementing microservices, including email functionality and real-time statistics generation using Kafka.
- Managing database migration from PostgreSQL to CockroachDB, configuring database connections, and Dockerizing processes.
- Developing new features, conducting unit testing with Jest, and integration testing with Cypress under Domain-Driven Design principles.
- Implementing monitoring solutions with Loki and Grafana to enhance application observability and issue resolution.
- Keywords: NestJS, Microservices, KafkaJS, Domain-driven-design, Unit testing(jest), integration testing(cypress.io) Agile, docker, kubernetes

Wagmi Tech UG.

Berlin, (remote)

FULLSTACK ENGINEER

Apr. 2022 - Oct. 2022

- Collaborated with the team to create an NFT marketplace using Hedera Hashgraph's Distributed Ledger Technologies. Demonstrated audacity in exploring new technologies.
- Implemented the server and client-side Apollo to optimize data fetching, ensuring seamless gameplay with our servers.
- Gained hands-on experience with smart contracts and web3.0 features, contributing to the integration of blockchain technologies.
- Successfully implemented Algolia to create a complex and high-speed search engine, improving user search experiences.
- migration from serverless MongoDB to MongoDB cluster to leverage database listeners, a feature not supported in serverless MongoDB.
- Keywords: Express, typescript, MongoDB, Gatsby, Tailwind CSS, Docker, kubernetes, Prisma, GraphQL, Apollo and TypeGraphQL

Bulldozer Inc.

Quebec, (remote)

FULLSTACK DEVELOPER GRADUATE INTERNSHIP

Jun. 2021 - Jan. 2022

- Contributed to back-end development and introduced headless CMS technology to save time.
- Created fully automated CI/CD pipelines on CircleCI for containerized applications using Docker and AWS.
- Designed and developed the NextJS front-end.
- Implemented multiple APIs using Strapi, Node.js with Koa, and serverless AWS Lambda functions.
- Keywords: Strapi, Next.js, AWS (S3, Lambda), Docker, SQLite3 (test), MariaDB (production), Bookshelf.js, Knex, Vercel, Git, Kanbanize.

HAckUp

Ariana, Tunis

BACKEND DEVELOPER INTERN

Jul. 2020 - Feb. 2021

- Design and implementation of the core platform.
- Utilized container technology for deployment management.
- Keywords: NodeJS, ExpressJS, Sequelize, PostgreSQL, Docker, Judge0.
- Hired as a part-time developer after completing the internship.

Think-Tank Business Solution.

Ariana, Tunis

FULLSTACK DEVELOPER INTERN

Jul. 2019 - Sep. 2019

- Development of web application for human resources.
- Evolved the database schema using Liquibase.
- Participate in the backend developement using spring boot.
- Having hands dirty with Angular
- Documented the REST APU using OpenAPI (swagger).
- Keywords: Team management, software development, Java EE, MySQL Workbench.

Education

ESPRIT(Honoris United Universities)-Tunisia

El Ghazela, Tunis

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2015 - Dec. 2021

- Contributing to the university site on the reclamation module using ASP.NET