



Mohamed Adib Aouadi

Node.js Backend Developer

📍 Tunisia ✉ aouadi.adib@gmail.com ☎ +21652715075 in LinkedIn

WORK EXPERIENCE

Backend Developer, Regional Transport Company of Jendouba [🔗](#)

04/2018 – Présent

Contribution to the development of public transportation projects within a multidisciplinary team, by adopting an Agile approach with the Scrum methodology and implementing CI/CD practices.

Transit Analytics Dashboard:

- Design a clear GraphQL schema to define the entities, relationships, queries, mutations for the API.
- Development of a GraphQL API using NestJS and Apollo GraphQL for the analysis and visualization of data from 10 thousand passengers and 5 thousand tickets per day with implementing caching using Redis.
- Utilization of Mongoose for data modeling and management in MongoDB.
- Creation and execution of unit, integration, and end-to-end tests using Jest and Supertest.
- Creation of Docker images with the required deployment configurations.

Warehouse Management System:

- Participation in user needs analysis and creation of detailed technical specifications.
- Development of a REST API using Express to manage a stock of over 1.5 thousand spare parts.
- Creation of API documentation using OpenAPI for clear endpoints representation and error handling.
- Utilization of TypeORM to interact with the MySQL database and perform queries.

Vehicle Management System:

- Development of new features for a system that manages a fleet of 170 buses.
- Improvement of performance through caching, pagination, and query optimization.
- Analysis of performance metrics using the PM2.IO platform and identifying optimizations.
- Monitoring and management of logs and errors to analyze and resolve issues and anomalies.

Technologies: Node.js, Typescript, Express.js, NestJS, MongoDB, MySQL, Docker

Consultant Backend Developer (Part-time), Democracy Reporting International Tunisia [🔗](#)

09/2020 – 12/2021

Contribution to the development of a recommendations tracking system for the Court of Audit, aiming to improve efficiency and transparency in the monitoring processes.

- Collaboratively analyzed user requirements and business needs with the Court of Audit's magistrates.
- Development and documentation of a REST API for the recommendations tracking module.
- Integration of a third-party service for retrieving reports and audit missions.
- Creation and execution of unit and integration tests.
- Deployment of the system in collaboration with the IT team of the Court of Audit.

Technologies: Node.js, Express.js, Knex, MySQL

Freelance Web Developer, *mostaqi.com* [🔗](#)

02/2016 – 03/2018

- Design and development of a commercial management system.
- Development of a REST API for an order management system.
- Development of a notification module for an e-commerce website based on Opencart.
- Development of a quotation and invoicing module for a billing system.
- Testing and optimization of a document archiving and management system.

Technologies: PHP, Codeigniter, MySQL, jQuery, Bootstrap

EDUCATION

Bachelor's degree in Computer Science,

Higher Institute of Technological Studies of Jendouba

09/2011 – 07/2014

TECHNOLOGIES

Programming:

Node.js, Express.js, Typescript, NestJS, Jest

ORM:

Mongoose, TypeORM, Prisma

Databases:

MySQL, MongoDB, Redis

Web services:

REST, GraphQL

DevOps:

Git, Github, Docker

Microservices:

RabbitMQ

LANGUAGES

- English
- French

COURSES

GraphQL Developer Professional [🔗](#)

Apollo Odyssey
2023

GraphQL Developer Associate [🔗](#)

Apollo Odyssey
2022

NestJS Zero to Hero [🔗](#)

Udemy
2021

Data Analyst Course [🔗](#)

Udacity
2019