

Mohammad Abady

Beirut, Lebanon
Moudiabady274@gmail.com
+961 81959479

Summary

Junior Full-Stack Software Developer with strong experience building **backend-heavy, multi-tenant SaaS platforms** used by multiple organizations. I specialize in **NestJS, TypeScript, PostgreSQL, Prisma, and React**, and I focus on designing **clean, scalable architectures and RESTful APIs**. Most of my work involves **business-critical systems** such as billing, invoicing, scheduling, and role-based access control, delivering **production-ready solutions** with a strong focus on **performance and maintainability**. I am highly motivated to continuously grow as a developer, take on complex challenges, and build systems that scale with real-world needs.

Skills

Languages & Frameworks: JavaScript, TypeScript, Python, Java, C++, Node.js, NestJS, React.js, Next.js

Databases & APIs: PostgreSQL, MongoDB, Prisma ORM, RESTful APIs

Architecture & Security: Microservices Architecture, JWT, Keycloak, Role-Based Access Control (RBAC)

Tools: Docker, Postman, Git, GitHub, VS Code

PROFESSIONAL EXPERIENCE

Junior Full-Stack Developer – Softwarezz

Hazmieh, Mount Lebanon

December 2025 – present

- Continued working on **Version 2** of the booking platform, taking on a **full-stack role** across backend, **React-based web frontend**, and mobile application layers.
- Developed and maintained **React.js components** using **TypeScript**, focusing on **API-driven views**, reusable components, and clean UI structure.
- Contributed to evolving the system into a **microservices-based architecture**, introducing dedicated **Billing** and **Notification** services.
- Worked primarily on the **Billing microservice**, implementing complex business logic related to **invoicing, payments, and financial workflows**.
- Migrated authentication from **JWT-based security to Keycloak**, integrating **centralized authentication and role-based authorization** across backend services, web, and mobile clients.
- Designed and maintained **RESTful APIs** consumed by both **web and mobile applications**, ensuring consistency and reliability across platforms.
- Helped expand the system to support **more complex real-world use cases**, improving overall **scalability, structure, and maintainability**.
- Collaborated closely with team members to align backend services, frontend behavior, and mobile app requirements.

Software Developer Intern – Softwarezz

Sinn El fil, Mount Lebanon

October 2025 – December 2025

- Contributed to the development of version 1 of a **multi-tenant booking system** as part of a collaborative engineering team.
- Took primary responsibility for the **backend implementation**, rebuilding the system using **NestJS** and designing a **new database schema**.
- Developed **RESTful APIs** to support booking workflows and organization-based data separation.
- Implemented **JWT-based authentication and authorization** to secure user access across tenants.
- Assisted with frontend development and worked closely with the team to align backend services with UI requirements.
- Gained hands-on experience working on a **real-world SaaS project**, strengthening backend skills, teamwork, and production-oriented development.

- Projects

Electric Generator Management System(freelance):

(Technologies: **NestJS, React.js, TypeScript, PostgreSQL, Prisma, Twilio API**)

Developed a full-stack system for managing generator operations and **automated monthly billing**. Built backend services for **subscriber management, meters, regions, boxes, Money tracking, invoicing, and financial reporting**, and implemented a React-based frontend using **Tailwind CSS** for structured and mobile-friendly interfaces. Developed organized monthly **collection and payment workflows**, improving operational efficiency and reducing billing errors. Strengthened financial transparency by centralizing data and tracking all transactions to minimize revenue discrepancies.

Multi-Tenant Booking Platform:

(Technologies: **NestJS, React.js, PostgreSQL, Prisma, JWT, Keycloak**)

Built a full-stack booking system using a **multi-tenant architecture**, designing **RESTful APIs**, implementing **authentication and role-based authorization**, and contributing to a transition toward a **microservices-based structure**.

Billing Microservice

(Technologies: **NestJS, TypeScript, PostgreSQL, Prisma, Keycloak, Docker**)

Developed a dedicated billing microservice handling invoicing, payments, and transactional logic, with secure endpoints and structured relational database design.

EDUCATION

Phoenicia University (PU) – El Daoudiyeh, Lebanon

2021 - 2025

Bachelor's degree in computer science

Key courses: Final Year Project, Data Structures, Algorithms, Data Science, Artificial Intelligence, Machine Learning, Operating Systems, Computer Networks, Web Development

Graduation Date: August 2024