

Firas Melliti

Skills

- Javascript | Typescript | NoSQL | Node | Express | React | Redux | NextJS | GraphQL | Docker | TailwindCSS
- Microservices | MySQL | Testing | OOP | PostgreSQL | Serverless Architecture | Jest | CI/CD | OAuth | AWS | Linux | MaterialUI | Git
- React Flow | Frontend | Backend | Full-Stack | English | Arabic – ALL PROFESSIONAL PROFICIENCY OR ABOVE.

Experience

Senior Software Engineer

Black Label Sollutions

Remote 09/2025 - Current

- Led engineering for multiple SaaS platforms (Affiliaide, Roofaide, Healthaide/Hyve Wellness), securing **millions** in funding and scaling across diverse verticals.
- Directed a distributed team to build a multi-tenant microservice ecosystem (NestJS, React, Prisma, Docker, GCP), enabling secure SSO and high scalability.
- Delivered a custom booking and payments system for 4Ever Young (**60+ U.S. clinics**), increasing patient scheduling efficiency and revenue capture.
- Integrated Healthie EHR for OpenLoop (valued at **\$1B+**), enhancing telehealth workflows for large-scale medical operations.
- Implemented core infrastructure with Stripe, SendGrid, Zenoti, and GoHighLevel, streamlining payments, communication, and clinic management across clients.

Software Engineer

Leadshook

Remote 09/2024 - 09/2025

- Led the redevelopment of LeadsHook's core platform (v3), a high-scale decision tree SaaS utilized by marketers managing up to **200,000 daily leads** and **\$20 million in monthly ad spend**.
- Played a key role in building version 3 from the ground up, using NestJS, MySQL, and Docker to enhance backend stability, scalability, and developer experience.
- Led the modernization of the frontend, migrating from legacy AngularJS to a more efficient Angular framework, improving performance and maintainability.
- Identified and resolved critical issues in the legacy system, improving overall platform reliability and user workflows.

Software Engineer

Gyoom

Remote 01/2023 - 08/2024

- Spearheaded the end-to-end design and development of a cutting-edge microservice web and mobile application at enterprise scale. Achieved a remarkable user base of over **2,000,000 active users** through the proficient utilization of React, Express, TypeScript, and MongoDB.
- Surpassed expectations by delivering a highly sophisticated, robust, and scalable backend infrastructure, adeptly handling a peak load of over **250 requests per second**.
- Pioneered the creation and implementation of a comprehensive analytics system, coupled with an intuitive admin dashboard, enhancing data-driven decision-making and streamlining website management processes.

Software Engineer

Tutosh

Djerba, Tunisia 11/2021 - 01/2023

- Collaborated within a dynamic team to contribute to the development of Tutosh, a robust e-learning platform featuring seven microservices. Engaged in the creation of a large-scale application utilizing TypeScript, PostgreSQL, NestJS, GraphQL, and Angular technologies.
- Gained valuable hands-on experience during my role at Tutosh, actively participating in the design and implementation of intricate microservices architecture.
- Successfully collaborated with a cross-functional team, fostering a collaborative environment to achieve project goals within the e-learning domain.

Software Engineer, intern

MediaNet

Tunis, Tunisia 06/2021 - 11/2021

- Implemented responsive and user-friendly interfaces for diverse clients, showcasing adaptability and creativity in addressing unique design requirements within the web development projects at MediaNet utilizing React, NextJS, TypeScript, and other Frontend Technologies.
- Collaborated with senior developers to optimize website performance and SEO utilizing industry-standard optimization techniques and ensuring a seamless user experience across different devices and browsers.
- Engaged in client meetings and requirements gathering sessions, actively participating in translating client needs into technical specifications and delivering solutions that exceeded expectations.

Education

- Major in Software Engineering

Projects

- **Leadshook:** Rebuilt and modernized a high-traffic marketing automation platform used by businesses worldwide to collect and manage leads. Migrated legacy systems to a scalable architecture using NestJS, Angular, MySQL, and Docker, while resolving long-standing bugs and enhancing overall system stability.
- **Hammel Ads:** a comprehensive web application facilitating ad creation, analytics, and secure payments within the Hammel mobile app ecosystem with more than 250 requests per second and 2,000,000 active users.
- **Tutosh:** a versatile e-learning platform with real-time remote instruction, featuring multiple classrooms, diverse academic levels, and a wide range of disciplines.

Mentorship

- **Google Student Club Tutor:** teaching beginners latest web development technologies and computer science concepts.
- **Youtube Channel:** created online video material to teach people programming, focusing on web development technologies.

Others

- **Freelancing:** TOP RATED PLUS freelancer on the Upwork platform (TOP 3%).
- **Web App Security:** I worked as a web app penetration tester on multiple bug bounty hunting programs and CTF competitions.