

Marwan Mamdouh

Full Stack Javascript Engineer

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Summary

Software Engineer **Backend-focused** with 2+ years of experience building scalable backend systems and RESTful APIs using **Node.js, NestJS, TypeScript, PostgreSQL, MongoDB, and Redis**. Experienced in designing microservices, database-driven applications, and maintainable software following Clean Code and SOLID principles. Contributed to **10+ production features** and **5+ end-to-end backend services** supporting applications with **50K+ monthly active users**. Passionate about software architecture, distributed systems, and building reliable, high-performance backend solutions.

Experience

Trego Tech <i>Software Engineer Rabta Platform</i> - Built scalable backend microservices for Rabta, an e-commerce integration platform integrating Amazon, Shopify, Noon, WooCommerce, Zid, and Temu. - Designed RESTful APIs, business workflows, and PostgreSQL database models using Node.js, NestJS, TypeScript, and TypeORM. - Developed features across product, inventory, pricing, notification, and organization services following Clean Architecture and SOLID principles.	Jan 2026 – Present (6+ months) <i>New Cairo, Cairo, Egypt</i>
Anyware Software <i>Software Developer</i> - Developed backend systems for enterprise clients including Dunkin' Donuts (Gong Cha), Garnell, and Pable & Abdo. - Built RESTful APIs and business modules using C#, .NET, Node.js, Express.js, SQL Server, and MongoDB. - Delivered production features, optimized databases, and collaborated within an Agile development team.	Oct 2025 – Jan 2026 (4 months) <i>Maadi, Cairo, Egypt</i>
Noubodiez Digital Agency <i>Full Stack JavaScript Developer</i> - Built full-stack web applications using Node.js, Express.js, React.js, Next.js, and MongoDB. - Reduced MongoDB query execution time by 65% through schema optimization and indexing. - Improved code maintainability by 25% and reduced front-end load time by 50% through refactoring and performance optimization.	Aug 2024 – Sep 2025 (1 year 2 months) <i>Dubai, United Arab Emirates</i>

Skills

Backend: Node.js • NestJS • Express.js • WebSocket
Databases: PostgreSQL • Redis • MongoDB • TypeORM • Prisma • Drizzle • Mongoose
Frontend: JavaScript • TypeScript • React • Next.js • Angular • Tailwind CSS
Core Concepts: OOP • SOLID • Clean Code • Design Patterns • Data Structures & Algorithms • RESTful APIs • GraphQL • Microservices • Database Design
Tools: Git • GitHub • Docker • Postman • Swagger/OpenAPI • Vercel
Soft Skills: Problem Solving • Analytical Thinking • Communication • Team Collaboration • Time Management

Projects

Rabta - Multi-Channel E-Commerce Integration Platform - Built scalable backend microservices for product management, inventory, pricing, notifications, and organization management using Node.js, NestJS, TypeScript, PostgreSQL, and TypeORM. - Designed RESTful APIs, business workflows, and database schemas while integrating with marketplaces including Amazon, Shopify, Noon, WooCommerce, Zid, and Temu. - Implemented business-critical features following Clean Architecture, SOLID principles, and microservices architecture. - Tech Stack: Node.js, NestJS, TypeScript, PostgreSQL, TypeORM, Redis, Docker.
Enterprise Business Solutions (Dunkin' Donuts, Gong Cha, Garnell, Pable & Abdo) - Developed and customized backend systems for enterprise clients across retail and restaurant industries. - Built RESTful APIs, business modules, and system integrations using .NET, Node.js, Express.js, SQL Server, and MongoDB. - Implemented business logic, optimized database operations, and delivered production-ready features for multiple enterprise applications. - Tech Stack: C#, .NET, Node.js, Express.js, SQL Server, MongoDB.
Center Kitchen - Commercial Kitchen Equipment Website 🏠 GitHub — 🌐 Live Demo - Developed an integrated backend API with Express.js, including authentication, content management, and product management. - Designed MongoDB data models and implemented secure JWT authentication. - Tech Stack: Node.js, Express.js, Next.js, MongoDB, JWT.

Education

Higher Institute of AI Alson for Administrative Systems and Information <i>B.Sc. in Manage information system</i>	2020 – 2024 <i>Cairo, Egypt</i>
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