

# Mohamed Mostafa Nazih

## Software Engineer

📞 (+20) 111 296 1724    📍 Cairo, Egypt    ✉ MohammedMostafaNazih@gmail.com  
🌐 linkedin.com/in/mohammedtv    🐙 github.com/mo7ammedd    🌐 mohammedd.tech

## EDUCATION

**B.Sc in Computer Science**, Suez Canal University

**Oct 2021 – Jul 2025**

- Graduation Project Grade: Excellent
- Mentored newcomers and motivated them to continue learning and growing in the Backend fundamentals in Google developer groups.

## EXPERIENCE

### Medica Scope

**Jul 2025 – Present**

*Backend Engineer | Full-time, Hybrid*

- Developed and maintained backend services for a medical courses platform, enabling seamless course management and student enrollment.
- Integrated Paymob payment gateway, ensuring secure and reliable transactions.
- Optimized database queries and API endpoints, reducing average response time by 15%.

### Onvo

**Aug 2024 – Jul 2025**

*Software Engineer | Full-time, Remote*

- Reworked the backend from PHP to Express.js, reducing load times by 20% and improving system stability.
- Led the launch of Airwave, a platform for streaming podcasts and music, attracting over 10,000 users in the first week.
- Secured the backend to prevent DoS and XSS attacks, ensuring a more resilient and secure application.

## PROJECTS

**Aura Decor (Graduation Project) | ASP.NET, Redis, RabbitMQ, SQL Server**

🐙 GitHub

- AuraDecor is a modern furniture management system built with ASP.NET Core 8.0 using a clean architecture.
- It offers AI-powered text and image search, secure JWT authentication, and integrated Stripe processing.
- The system includes an advanced admin panel, RabbitMQ based notifications, and Docker-ready deployment.

**LSMSharp | C#**

🐙 GitHub

- Developed a high-performance LSM-Tree storage engine in C# with ACID guarantees, leveled compaction, and crash-safe WAL.
- Optimized for write-heavy workloads with Bloom filters, skip lists, and low-latency read paths.

**HungerStation Microservices | .NET 8, SQL Server, Docker, Azure Service Bus, Stripe**

🐙 GitHub

- Designed a modular food delivery platform using Clean Architecture, DDD, CQRS, and database-per-service principles across independently deployable microservices.
- Implemented event-driven communication with Azure Service Bus, JWT based authentication, Stripe payments, Dockerized deployment, and service-to-service messaging with robust fault tolerance.

**Talabat | C#, SQL Server, Redis, Docker, Stripe**

🐙 GitHub

- Built a scalable e-commerce API in .NET 6 using Clean Architecture, Onion Architecture, and Stripe payment integration.
- Applied Repository, Specification, and Unit of Work patterns with Dockerized deployment and Redis caching.

## SKILLS

- **Languages and Frameworks:** C#, ASP.NET Core, JavaScript (Node.js, Express.js), Python, C++
- **Databases:** SQL Server, PostgreSQL, MongoDB, MySQL, MariaDB, SQLite, Redis
- **Cloud & DevOps:** Docker, Azure, AWS (EC2, S3), CI/CD (GitHub Actions, Azure DevOps)
- **API & Messaging:** REST, gRPC, RabbitMQ, Azure Service Bus, Stripe, Paymob
- **Testing & Tools:** xUnit, NUnit, Postman, Swagger/OpenAPI
- **Miscellaneous:** Algorithms, Data Structures, OOP, SOLID, Design Patterns, Git, Networking, DBMS, Operating Systems