

Karim Essam

Software Developer

Cairo, Egypt

+20 102 533 2113

kaessam@hotmail.com

[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Professional Experience

Digital Egypt Pioneers Initiative (DEPI)— Backend Instructor.

Aug 2024 – Present

- Deliver comprehensive backend training on ASP.NET Web API, C#, SQL, and MERN stack technologies to over 100 students.
- Provide hands-on instruction in REST API development, authentication methods, and MVC design patterns.
- Mentor students in software engineering principles, version control using Git/GitHub, and full-stack project deployment.

Information Technology Institute (ITI)— External Instructor.

Jul 2024 – Present

- Facilitate backend development labs focusing on .NET project implementation and backend best practices.
- Support students in building full-stack applications using HTML, CSS, JavaScript, and Firebase integration.
- Guide learners in connecting backend services to frontend interfaces and implementing real-time features.

Freelance— Software Developer.

Nov 2021 – Present

- Engineered tailored full-stack applications for clients in e-commerce, healthcare, and EdTech using .NET, Node.js, and NestJS.
- Designed and deployed secure APIs using JWT, OAuth2, and integrated third-party services including Stripe and Twilio.
- Key projects:
 - **Car Rental Management System:** Developed a modular backend using NestJS, TypeScript, and Prisma. Integrated Clerk and Passport.js for authentication, used Supabase for storage, and applied Swagger for API documentation.
 - **Taafeei – Clinic Booking System:** Created healthcare booking APIs using ASP.NET Core MVC with JWT and Google OAuth, integrated Geidea payments, Twilio alerts, and Zoom video calls. Deployed via Docker and Azure with clean architecture.
 - **Dross – Online Learning Platform:** Built an LMS with ASP.NET Core backend and Angular frontend, enabling real-time messaging via Firebase and secure course management using SQL Server and Entity Framework.

GamifierSA, KSA – Remote— Frontend Developer.

May 2024 – Sep 2024

- Developed responsive user interfaces using Angular and React, ensuring performance and accessibility.
- Collaborated with backend teams to implement seamless API integrations and enhance user experience.
- Contributed to UI/UX optimization through refactoring and codebase improvements.

Mutqana— Full Stack Developer.

Jul 2022 – Sep 2024

- Delivered end-to-end web solutions using ASP.NET Web API, Angular, and SQL Server for enterprise-grade applications.
- Integrated Geidea Payment Gateway for secure online transactions in SAR currency.
- Implemented real-time communication features using Twilio for SMS notifications and Zoom API for video calls.
- Deployed applications using Docker and Azure; followed clean code and scalable architectural practices.

Objective

Results-driven Backend Engineer with 3+ years of experience delivering robust, secure, and scalable backend solutions across multiple industries. Proficient in designing RESTful APIs, implementing authentication systems, and deploying microservices using Docker and Azure. Adept at clean architecture, database modeling, and integrating third-party services. Recognized for technical mentorship and consistent delivery of production-grade software.

Education

Information Technology Institute (ITI) — Full Stack .NET Development Diploma.

Apr 2024

Ain Shams University — B.Sc. in Agriculture .

2019

Hard Skills

Backend API Development & Integration
Clean Architecture & Design Patterns
Test-Driven Development (TDD)
Containerization with Docker
Cloud Deployment
Authentication & Authorization
Database Design & Optimization
Agile/Scrum Methodology
DevOps & CI/CD Pipelines
API Documentation

Soft Skills

Communication & Collaboration
Problem Solving & Critical Thinking
Time Management & Task Prioritization
Adaptability & Continuous Learning
Mentoring & Team Leadership
Attention to Detail & Code Quality
Initiative & Proactive Development

Tools & Technologies

Languages & Frameworks: C#, ASP.NET Core, Node.js, Express.js, NestJS, TypeScript

Databases & ORMs: SQL Server, Prisma, MikroORM, Entity Framework Core

Frontend: Angular, React, Next.js, JavaScript, HTML5, CSS3, Tailwind CSS

DevOps & Tools: Docker, Azure, Git, GitHub, Visual Studio, Swagger, Jest

Integrations: Twilio, Zoom API, Clerk, Passport.js, Firebase, Supabase, Cloudinary, Geidea, Stripe