ISLAM SAAD

Software Engineer

Alexandria, Egypt *(Ready to Relocate)*

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Summary

Software Engineer specializing in .NET, Node.js, and Angular, with experience in full-stack development and building scalable, high-performance applications. Proven ability to deliver high-quality software solutions in agile team environments, with strong problem-solving skills and a passion for tackling complex technical challenges efficiently.

Education

Information Technology Institute (ITI)　　　　　　　　　　**Oct. 2024 – Jun. 2025**
9-Month Professional Diploma - Professional Training Program (PTP)　　　　*Alexandria, Egypt*
- Professional Development and BI-Infused CRM Track.

Faculty of Computer and Information Technology　　　　　**Oct. 2020 – Jun 2024**
Bachelor of Computer Science - Damanhur University　　　　　　　　*Damanhur, Egypt*
- Cumulative grade: Very Good, 3.3 GPA.
- Graduation Project: Tourism App (Grade: A)
- Responsible for Back-end Development with Node.js and Express.js - Repo: Tourism App

Experience

Freelance Software Engineer　　　　**Jul. 2025 – Sep. 2025, Nov. 2025 – Present**
Full-Stack Developer　　　　　　　　　　　　　　　　　　　　　*Remote*
- Design and deliver custom full-stack web applications for clients across multiple industries using **.NET**, **Node.js**, **Angular**, and **React**.
- Manage complete project lifecycle from requirements gathering to deployment, ensuring scalable architecture and maintainable code.

Vultara Inc.　　　　　　　　　　　　　　　　　**Sep. 2025 – Nov. 2025**
Software Engineer　　　　　　　　　　　　　　　　　　*Remote - Intern*
- Develop and maintain Vultara's flagship cybersecurity management application using **Angular** and **Node.js**, serving enterprise clients in product security risk management.
- Design and implement new features while optimizing application performance, reducing load times and enhancing overall user experience for web-based security tools.
- Collaborate with cross-functional teams to integrate backend APIs, ensuring secure, scalable, and reliable solutions that meet industry security standards.

EyeGo　　　　　　　　　　　　　　　　　　　　**Aug. 2024 – Oct. 2024**
Backend Developer　　　　　　　　　　　　　　　　　　*Remote - Intern*
- Engineered backend services using **Node.js** and **Express.js** for EyeGo's advanced **AIoT platform**, integrating computer vision and Generative AI capabilities.
- Architected and maintained secure RESTful APIs enabling real-time monitoring, automated QA inspection, and productivity analytics for manufacturing clients.
- Deployed and managed scalable cloud infrastructure on **Google Cloud Platform (GCP)**, improving system reliability and performance under high-load conditions.

Technical Skills

Programming Languages: JavaScript, TypeScript, C++, C, C#

Backend Development: Node.js, Express.js, NestJS, MongoDB, MySQL, SQL Server, .NET, ASP.NET Core, Entity Framework Core, LINQ, Single R, UWP

Frontend Technologies: React, Angular, HTML5, CSS3, Tailwind CSS, Sass, jQuery

DevOps & Tools: Git, GitHub, Docker, Postman

Problem Solving: Solved over 500 problems on online judges (LeetCode profile); participated in the Egyptian Collegiate Programming Contest (ECPC)

Projects

Virtual SQL Engine
NestJS • TypeScript • Custom SQL Parser • Binary Storage   ⊙ **GitHub Repo**
- Lightweight in-memory SQL database engine featuring a fully custom SQL parser and fixed-length binary record storage system.
- Supports core DDL & DML operations including **CREATE/ALTER/DROP TABLE**, **SELECT**, **INSERT**, **UPDATE**, and **DELETE**.
- Implements primary key & unique constraint enforcement, soft-delete mechanism, and file-based persistence using JSON schemas and binary data files.
- Exposed through a RESTful API for executing SQL commands with validation, data filtering, and predicate building.

Car Pooling & Delivery Platform (ITI Graduation Project)
ASP.NET Core • Angular • SQL Server   ⊙ **Backend Repo**   ⊙ **Frontend Repo**
- Full-stack web platform connecting drivers and users for ride-sharing and on-demand delivery.
- Supports real-time trip tracking, dynamic routing, multi-role onboarding, and document verification.

Bus Ticket Booking SPA
Angular 19 • TypeScript • RxJS   ⊙ **GitHub Repo**
- Single-page application allowing travelers to select seats interactively and book tickets in real time.

Alex Home Food API
ASP.NET Core 9 • EF Core • SQL Server • JWT   ⊙ **GitHub Repo**
- Back-end service powering a food delivery system with user management, menu catalog, and order lifecycle tracking.
- Includes secure sign-in, order filtering by date range, and interactive API documentation.

Organize-Tool API
ASP.NET Core (.NET 9) • EF Core • SQL Server   ⊙ **GitHub Repo**
- Project and time-management service enabling project/task creation, time entries, detailed reports, and CSV export.
- Synchronizes automatically with third-party time-tracking providers.

E-Commerce API Microservices
.NET Core • API Gateway   ⊙ **GitHub Repo**
- Distributed e-commerce back-end where an API Gateway manages routing, authentication, and service scalability.

E-Commerce Platform
React • Node.js • Express.js • MongoDB • Stripe   ⊙ **Frontend Repo**   ⊙ **Backend Repo**
- End-to-end online store with product catalog, shopping cart, secure checkout, and payment processing.
- Includes role-based access control and rich customer order history.

Internships / Courses

Digital Egypt Pioneers Initiative (DEPI)   **Apr. 2024 – Aug. 2024**
MERN Stack Developer   *Alexandria, Egypt*
- Develop modern web applications using React.js, focusing on performance optimization and scalability.

Ice Alex Company   **Mar. 2024 – July. 2024**
Backend Developer with MVC .NET   *Alexandria, Egypt*
- Work with ASP.NET Core MVC on backend development while continuously improving soft skills.

Route Academy   **Nov. 2023 – Apr. 2024**
Backend Development with Node.js   *Alexandria, Egypt*
- Apply backend development skills using Node.js, covering advanced server-side topics and application architecture.

Information Technology Institute (ITI)   **Jul. 2023 – Aug. 2023**
Frontend Development with React   *Alexandria, Egypt*
- Use frontend technologies including HTML, CSS, JavaScript, Bootstrap, ES6, and React.js gained during a summer internship.

Languages

- Arabic: Native
- English: Very Good