MOHAMED SALEH

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Career Summary

Highly skilled Senior .NET Developer with over 10+ years of experience in designing, developing, and optimizing scalable software solutions. Adept at full-stack development and enterprise application integrations. Proven track record of modernizing legacy systems, improving development workflows, and leading successful migrations to Azure DevOps.

Expert in .NET Core, C#, REST APIs, SQL Server, JavaScript frameworks (React, Vue.js, StencilJs), Docker, and Microservices. Hands-on experience in CI/CD automation, Azure DevOps.

Languages: C#, Java, JavaScript, Python, C/C++ 11/14/17, VB.NET, Visual Basic 6.0.
Desktop Development: C# Windows Forms, VB6/, C++ Win32 API, hands on MFC
Web Development: ASP.NET Core, React, Vue, Vuex, StencilJs, TypeScript, RESTful API, SOAP, GraphQL, ASP.NET MVC5, HTML5, CSS3, Bootstrap.
Databases/ORM: MS SQL Server, MySql, SQLite, Redis, NoSql mongodb, MS Access, ADO.NET/ODBC.
Testing: MSUnit, Junit, Mock, Selenium.
CI/CD, Version Control: MS Azure DevOps, Docker, Git Action, Team Foundation Server
Open Source: docusaurus, lunr, Lucene
Mobile Development: Android Development in Java/Kotlin

PROFESSIONAL EXPERIENCE

Software Developer - Evero Corporation, New York, USA   **12/2020 – 08/2024**

- Partnered with senior engineers and product managers to set project scope and ensure architecture met client needs.
- Engineered scalable .NET Core applications and RESTful APIs to drive business outcomes.
- Oversaw front-end/back-end development—including database schema, views, stored procedures, and triggers.
- Refactored legacy code and upgraded .NET Core and React SPA environments.

Achievements:

- Migrated 100+ projects from TFVC to a self-hosted MS Azure environment by establishing pipeline templates and internal multi-stage pipeline tools—accelerating delivery times.
- Built a robust ETL data migration engine for seamless platform integration.
- Implemented a HIPAA-compliant, secure document distribution system that reduced support workload.
- Developed an annotation-based CRUD automation framework to cut development time.
- Integrated Lunr Search Indexing to enhance an on-prem LMS system.

Technologies: C#, .Net Core, ASP.NET MVC, IIS, Windows Forms, .Net Framework 4.8, REST API, JavaScript, Vue.JS, ReactJS, TypeScript, StencilJs, AzureDevOps CI/CD, Yaml, Handlebars, MS SQL-TSQL, Docker, Microservices, Git, DevExpress, Mermaid, Handlebars, JWT, WebHooks, SignalR, ELK (elasticsearch, kibana, logstash)

Microsoft Dynamics Developer - Genena Group, Egypt   **01/2019 – 01/2020**
Tasks Performed:

- Directed new AX module features and security enhancements in collaboration with multiple departments.
- Developed and built SSRS reports for AX 2012 R3, Coordinated builds, backups, and script deployments.

Achievements:

- Delivered a fully functional Property Management module.

Technologies: X++ Language, AOT, MS SQL (TSQL), SSRS, .NET Framework 4.6 (C#.NET).

Backend Software Developer - Habib Medical Group, Saudi Arabia   **01/2015 – 07/2017**

- Developed various HIS modules, including OR, ER, Cath-Lab, Infection Control, Doctor Workspace, and EMAR, to enhance clinical performance and integrated Symantec OTP.

- Engineered an email alert system using Windows services and SQL Server 2005.

Technologies: C#, .NET Framework, MS Composite UI Application Block, LINQ, SQL Server 2008, Crystal Reports, TFS, Windows Services, JSON, SOAP, Web Services/API, Infragistics (Windows), DevExpress, LLBLGen 2.4 (ORM).

Application Support Specialist - Habib Medical Group, Saudi Arabia   **01/2015 – 09/2015**
- Diagnosed and fixed production issues promptly.
- Managed 3rd-party vendor support for live systems.

Achievements:
- Developed tools and scripts to automate the resolution of common concurrency production issues.

Technologies: .NET Framework 3.5 (C#.NET), SQL Server 2008, Crystal Reports 2010, and VNC.

Software Developer - LOGICA I-TECH, Egypt   **01/2014 – 12/2014**
- Designed and developed interactive applications for single and multi-touch kiosk screens to enhance user engagement and functionality.
- Engineered IPC solutions to facilitate seamless communication between windows processes.

Achievements:
- Delivered AS3 training for incoming software developers.

Technologies: .NET Framework, C#, Win32 API, C++, Micro-C, Arduino, ActionScript 3.

Freelancer Software Developer - Self-Employed   **11/2011 – 12/2013**
Projects:
- IRS: Implemented advanced search with document indexing, ranking, and retrieval for large-scale text pools.
- Developed a parser for Frenetic network programming language.
- Al-Azhar Web Book: Digitized paper-based teaching materials.
- SMS: Embedded SMS messaging into a school management system.
- Goal: Developed a soccer game analysis tool.

Technologies: .NET Framework, C#, VB.NET, Lucene.NET, C++, Makefile, HTML, CSS, JS, MS SQL Server, MS Access.

Software Developer - AL-AWAEL IT HOUSE, Egypt   **09/2008 - 07/2009**
- Defined functional requirements for sub-contractor ERP system, including reports, database schema.
- Integrated payroll system with biometric devices and magnetic card scanners improving time tracking.

Technologies: Visual Basic.Net, C#.NET, Visual Basic 6.0, Crystal Report 10 and SQL Server 2005.

EDUCATION

Bachelor of Science in Computer Science (04/2023-08/2025)
Southern New Hampshire University 2023 – 2025 | GPA: 3.615

Master of Science in Computer Science (02/2020-09/2022)
Maharishi International University, Fairfield, IA, USA 2020-2022 GPA 3.6

ACADEMIC PROJECTS

E-Commerce Website System, Maharishi University (04-2020): Collaborated with a team of 5 to develop an Amazon-like web application featuring role-based access for product browsing, shopping cart, seller follow/unfollow, comment moderation, checkout, and email notifications.
Technologies: Java, Maven, Spring-boot, Thyme leaf, hibernate, In-Memory H2 Database, HTML, CSS, Bootstrap, JavaScript, RestApi.
Library Management System, MIU (03-2020): Developed a comprehensive system to streamline library operations.
Technologies: Java.