

Moustafa Mahmoud Rateb

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Professional Summary

Highly skilled Software Engineer with over 15 years of experience designing and delivering cutting-edge solutions across Oil & Gas, Mobile Communications, E-Learning, ERP, and Healthcare industries. Expertise in software development, OutSystems low-code platform, strategic prototyping, and automation processes, leveraging state-of-the-art technologies to achieve impactful results. Adept at leading cross-functional teams and driving success through innovation and collaboration. Seeking a senior role in software development, automation, or data science to contribute my extensive expertise.

Professional Experience

Software Team Leader (OutSystems)

Digation | May 2022 – Present

- Spearheaded the development of a Firebase Notifications module using the OutSystems low-code platform.
- Delivered scalable services for high-profile clients, optimizing performance for systems in Saudi Arabia's Ministry of Transportation.
- Architected and implemented a CMS tool used to launch dynamic, content-driven websites.
- Collaborated in requirements gathering and design for an enterprise application for charities.

Senior Software Developer

Cegedim Egypt | Jan 2020 - Apr 2022

- Enhanced Actisure claims management system, improving backend performance and functionality.
- Conducted code reviews and mentored junior developers to maintain coding standards.
- Played a pivotal role in team expansion by screening and onboarding technical talent

Software Team Leader

Double Click ERP | Mar 2019 – Dec 2019

- Streamlined project delivery processes through agile methodologies, including sprint planning and daily standups.
- Authored requirements documentation and led the development of a subscription app web application.
- Contributed to the HR web application's development lifecycle, offering technical expertise and guidance.

Lead Software Developer

Nagwa | Jan 2018 – Feb 2019

- Led development of .NET Core services, ensuring optimized integration with web platforms for content rendering.
- Streamlined workflows through agile methodologies, managing sprints and ensuring timely deliverables.
- Enhanced Lua-based rendering scripts, reducing file sizes and optimizing output performance.

Senior Software Developer

Nagwa | Aug 2015 – Jan 2018

- Automated localization processes for multilingual educational content, using C# and LuaLaTeX.
- Designed a MongoDB-backed reporting system for monitoring localization progress and data insights.
- Mentored junior developers, fostering a collaborative and productive team environment.

Senior Software Developer

Tronix | Jul 2014 – Jul 2015

- Developed a simulation application for oil and gas separator units using mathematical modeling in C#.
- Installed and configured cyber chair drilling simulators for training centers in Cairo and Uganda.
- Provided mentorship to junior developers, simplifying complex simulation concepts.

Software Development Tools Engineer

Intel Mobile Communication | Apr 2013 – Jun 2014

- Developed and maintained utilities for enhancing code quality and compliance using Perl and Eclipse plug-ins.
- Streamlined XML editing processes with custom tools, enhancing productivity.

Software Developer

Tronix | Feb 2010 – Mar 2013

- Built simulation applications for petroleum production and training systems using .NET frameworks.
- Developed virtual reality solutions and hardware abstraction layers for training simulators.
- Presented advanced simulation technologies at international trade shows, gaining industry recognition.

Education

Bachelor's in Electronics and Communications Engineering

Faculty of Engineering, Cairo University | 2008

Certifications

- Machine Learning, Stanford University (Coursera)
 - Data Wrangling with MongoDB, Udacity
 - ASP.NET Core: Test-Driven Development, LinkedIn Learning
 - Fluent API Development in C#, LinkedIn Learning
 - Characteristics of a Great Scrum Master, LinkedIn Learning
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Skills

Core Competencies:

- **Leadership:** Team Management, Cross-Team Collaboration, Agile Methodologies (Scrum, Kanban)
- **Software Architecture:** Domain-Driven Design (DDD), CI/CD Implementation

Technical Skills:

Programming Languages: C#, Python, JavaScript, Lua, Perl, VB.NET

Frameworks and Tools: ASP.NET Core, Entity Framework, OutSystems, React.js

Cloud Platforms: Azure, Google Cloud, AWS

Databases: SQL Server, PostgreSQL, MongoDB

Development Tools: Visual Studio, Eclipse

Specialized Skills: Data Wrangling, Regular Expressions

Languages

- English: Professional Working Proficiency

- Arabic: Native

References

Available upon request.