# 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)

**Digination** | 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

## 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.