

Ahmed Elmehalawi Software Engineer

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Profile

Enthusiastic Software Engineer with 4 years of experience in Software Development with many hats. Skilled in Web Development and .NET Technologies with a Bachelor's degree focused in Computer and Systems Engineering from the Faculty of Engineering, ZU as well as a 9-month Professional Diploma from ITI in Systems Development (SD).

Professional Experience

Taly For Digital Payments, Software Engineer

Feb 2024 – present

- Designed and developed highly scalable and secured financial services.
- Developed Backend Applications using C#, ASP .NET Web APIs, ASP .NET MVC, MS SQL Server, Oracle, Entity Framework, ASP .NET Identity, IdentityServer4, Design Patterns and Microservices.
- Developed WCF Services.
- Developed and maintained PL/SQL packages, stored procedures, and functions to optimize database performance and ensure efficient data management.
- Worked on SmartVista Products (SVBO, SVFE and SVIP).
- Collaborated with cross-functional teams to gather requirements, design solutions, and deliver high-quality software.
- **Projects:**
 - CMS Gateway
 - BDC Consumer Migration
 - Taly Tokenization
 - IPN Integration
 - E-Statement

zTechnium (Freelance), Senior Software Engineer

Mar 2024 – Oct 2024

- Developed CMS Solution using Umbraco CMS, SEO Toolkit, C#, ASP .NET, ASP .NET APIs, ASP .NET MVC, Entity Framework, SQL, MS SQL Server, Alpine, HTML, CSS, JS.
- **Projects:**
 - SPEA

Alkan QSIT, Software Engineer

Aug 2022 – Dec 2023

- Participated in developing various products for different Industries using the latest web technologies [C#, ASP.NET, ASP.NET Web APIs, MS SQL Server, EF, CQRS Design Pattern, HTML, CSS, Bootstrap, Kendo UI, Angular, JavaScript, TypeScript, RxJs, ChartJs].
- Extended our Ticketing System functionalities and the different integrations between it and GIS, CTI and IoT Systems [ArcGIS API for JS, ChartJs, CSS, CoffeeScript, Ruby on Rails, Flask, Spyne, Elasticsearch, Nginx].
- Developed Content Management Systems using Umbraco CMS.
- Developed GIS Applications using ArcGIS API for JS, Experience Builder and Web AppBuilder.
- Extended Experience Builder Widgets and customized others using React and Jimu.
- Conducted POCs on new technologies and tools that can fit our solutions.
- Participated in on-site visits to gather and deliver technical requirements as well as the deployment process.
- Developed Workflow Processes in our Workflow Framework besides the integrations between it and other solutions.
- **Projects:**
 - ISD-Ticketing
 - EACDP
 - TRD-Visibility
 - COP
 - RCMC
 - DGDA

Information Technology Institute - ITI, Systems Development Engineer

Oct 2021 – Jul 2022

- Worked on a lot of tasks and projects with different programming languages and various web technologies, especially .NET technologies.
- **Projects:**
 - Paint For Kids
 - Examination System
 - Clinic Management System

Education

9-Month Professional Postgraduate Diploma,

Oct 2021 – Jul 2022

Information Technology Institute - ITI

Track: Professional Web Development and Business Intelligence (SD).

Grade: Excellent.

BE in Computer and Systems Engineering,

Sep 2016 – Aug 2021

Faculty of Engineering, Zagazig University

GP: CoviRob (Autonomous Mobile Robot for Corona Remote Nursing).

GP Grade: Excellent.

Technical Skills

Front End

HTML, CSS, Bootstrap, JavaScript, DOM, jQuery, TypeScript, Angular, Kendo UI, Chart Js.

.NET

C#, .NET, .NET Framework, ASP.NET MVC, ASP.NET Web APIs, ASP .NET Identity, LINQ, Entity Framework, WCF, Umbraco CMS, SignalR, IdentityServer4.

Version Control

Git / GitHub, Azure DevOps.

Programming Principles

Object Oriented Programming (OOP)
SOLID Principles
Design Patterns
Clean Architecture
Algorithms and Data Structures
Domain Driven Design (DDD)

Database

Database Design, SQL, MS SQL Server, Oracle, MongoDB.

GIS

ArcGIS API for JS, Web AppBuilder, Experience Builder, Jimu

Other

SSIS, SSAS, SSRS.
IIS, Azure.
Familiar with NodeJs, Express, Flask, Spyne, WeasyPrint.
Familiar with Descriptive Statistics, Spreadsheets, Business Metrics, Python, NumPy, Pandas.
Familiar with MS Dynamics CRM and Power BI.
Familiar with SVBO, SVFE, SVIP.
Familiar with C, C++ and Java.

Internships

Huawei ICT Academy, Intern [↗](#)

Huawei Certified ICT Associate – Artificial Intelligence (HCIA-AI).

Jul 2020 – Aug 2020

InnovEgypt, Intern [↗](#)

Graduate of InnovEgypt Program for innovation and entrepreneurship as my team got third in the final competition for our idea "SQLAND".

Jan 2020 – Jan 2020

ISCC - Ministry of Military Production, Intern [↗](#)

Successfully Completed CCNA Fundamentals Training Program.

Jul 2019 – Aug 2019

Certificates and Courses

Expert Domain-Driven Design (DDD) Implementation in .NET, LinkedIn [↗](#)

Apr 2025

Microsoft Certified in C#, Microsoft [↗](#)

Apr 2024

"Become a Software Developer" Learning Path, LinkedIn (11 Courses). [↗](#)

Apr 2022

Data Analysis Professional Nanodegree, FWD and Udacity [↗](#)

Jul 2021

- 2 Projects

· Explore US Bikeshare Data. [↗](#)

· Investigating TMDB Movie Dataset. [↗](#)

Data Analysis Challenger Nanodegree, FWD and Udacity [↗](#)

Apr 2021

Front-End Web UI Frameworks and Tools: Bootstrap 4, Coursera [↗](#)

Nov 2020

Web Development Professional Nanodegree, FWD and Udacity [↗](#)

Sep 2020

- 2 Projects

· Weather Journal App. [↗](#)

· Landing Page. [↗](#)

Web Development Challenger Nanodegree, FWD and Udacity [↗](#)

Aug 2020

HCIA – AI, Huawei [↗](#)

Aug 2020

Huawei Certified ICT Associate – Artificial Intelligence

Extracurricular Activities

Hult Prize Zagazig University, Hult Prize Ambassador

Aug 2019 – Jul 2020

AIESEC Egypt, Team Leader Incoming Global Volunteer (IGV)

Feb 2020 – Apr 2020

AIESEC Egypt, Team Member Incoming Global Volunteer (IGV)

Aug 2019 – Jan 2020

CODEC, Software Engineer and Technical Content Writer

Feb 2018 – Jan 2020

CS50x Zagazig, Instructor and Organizer

Aug 2018 – Aug 2019

ENACTUS Zagazig University, Marketer and Content Writer

Nov 2018 – Apr 2019