

Ahmed Aboelmagd [www.AhmedAboelmagd.com]

Technical Manager | Technical Lead | Solution Architect

Agile | PMP | .NET Core | C# | Blazor | MVC | Angular | Docker | Azure | Mobile | SOLID | CQRS | Microservices | REST API

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SUMMARY

Technical Project Manager with 18+ years of experience in IT Services and Enterprise Solutions, leading cross-functional teams to deliver complex projects on time, within scope, and budget. Proven track record in managing full project lifecycles, stakeholder engagement, and technical architecture. with extensive experience in ERP implementations, cloud solutions, and enterprise integrations.

With my comprehensive technical background, I have consistently excelled in creating and overseeing software solutions tailored for diverse projects of varying scales. My expertise lies in optimizing software implementation to augment performance and response time through the application of cutting-edge methodologies in software development, including application architecture, data structuring, and advanced algorithms.

I delivered 20+ highly successful projects across multiple industry domains, encompassing e-commerce, education, insurance, ERP's, manufacturing, and motors. Through meticulous project management and a profound understanding of the unique requirements within each business domain.

KEY SKILLS

Project Management & Leadership	Portals & Cloud	ERPs Handson
Project Planning & execution Stakeholder management Risk management & mitigation Budget control & resource allocation Vendor and client communication Agile/Scrum & PMP practices	Microsoft Azure, Google Cloud, Dockers, Kubernetes	Microsoft Dynamics AX Microsoft Dynamics Nav. Business Central Ls-Retail
Programming	Software Engineering	DBMS
ASP.NET MVC, .Net Core, Rest API, C#, HTML, CSS4, bootstrap, JavaScript, Typescript, jQuery, AJAX, SignalR, Angular, Blazor, .NET MAUI, Flutter	SOLID principles, Design Patterns, Software architecture, Domain-Driven Design, CQRS, MVVM, SDLC, TFS, Git, CI/CD, Microservices, service bus, and RabbitMQ.	SQL Server, Oracle, MySQL, Sybase, firebase, and MongoDB

EXPERIENCE

Technical Manager at Microtec (Microtec.com.sa)	March 2024 till now
Responsibilities: - Defined and executed technology strategy aligned with business goals. - Architected and led the development of a multi-tenant, enterprise-grade ERP platform from inception to production, currently serving 160+ customers across multiple business sectors. - Designed and delivered a comprehensive ERP ecosystem including Finance, Sales, Procurement, Inventory Management, Van Sales, Point of Sale (POS), Human Resources (HR), and Employee Self-Service modules. - Defined the platform architecture and drove its evolution from a Monolithic Architecture to a Modular Monolith, strategically decomposing high-scale components into Microservices to improve scalability, resilience, and independent deployment. - Designed scalable, maintainable, and high-performance distributed systems using Clean Architecture, CQRS, Dependency Injection, Repository Pattern, Domain-Driven Design (DDD) principles, and Event-Driven Architecture. - Designed asynchronous communication between services using RabbitMQ, Azure Service Bus, and messaging patterns to improve reliability and system throughput. - Architected secure authentication and authorization using Keycloak, implementing centralized Identity and Access Management (IAM), Single Sign-On (SSO), OAuth2, and OpenID Connect.	

- Designed enterprise integration solutions using WSO2 API Manager, RESTful APIs, and service orchestration for seamless communication with internal and third-party systems. - Led the adoption of modern Microsoft technologies including ASP.NET Core, .NET Core/.NET, Entity Framework Core, Angular, Blazor, Flutter, SQL Server, and Microsoft Azure Cloud Services. - Designed cloud-ready deployment architectures with a focus on scalability, high availability, security, performance optimization, and operational excellence. - Defined coding standards, architecture guidelines, and engineering best practices through architecture reviews, code reviews, mentoring, and technical leadership. - Collaborated with business stakeholders and product teams to translate complex business requirements into scalable technical solutions while ensuring long-term maintainability and extensibility. - Evaluated emerging technologies and architectural patterns, driving continuous modernization and technical innovation across the platform.	
Tech. Lead at Water Transmission & Technologies Company, Saudi Arabia (www.wttco.com)	November 2022 till March 2024
Responsibilities: - Managing and hiring new calibers in the Tech Team. - Gathering requirements and analyzing. - Architecting, implementing new solutions, and applying the modern software solutions design structure. - Code Review and mentoring juniors. - Developed systems (inventory, POS, budgeting, HR, CRM, Carpooling, employee service procurements) and integrated them with ERPs (Nav, Business Central and SAP) Used technologies: .NET core 7, CQRS, DDD, MVVM, Message queue, Microservices, Hangfire, RabbitMQ, CI/CD, XUnit Test, Docker, Blazor, Duende server, BFF, Vuejs, Azure DevOps.	
Solution Architect at Qara.net that works as a FinTech company that provides business trading solutions (Part-time Job)	March 2020 till June 2023
Responsibilities: - I Trained and mentored the technical team members to enhance their development skills, code quality, improve productivity, better resiliency, Increased scalability, Optimize business functionality - help them to apply Microservice Architecture and upgrade the existing system into separate services. - help them to use modern technologies and tools. (Docker, Hangfire, RabbitMQ, CI/CD, Unit Test, MongoDB, MySQL, firebase, etc.) to Enhance productivity and encourage them to not reinvent the wheel by Reusing pre-exists libraries. Used technologies: Node.js, Nestjs, Prisma, MongoDB, Mysql, Firebase, Native Android, Flutter, RabbitMQ, Microservices, CI/CD, Google Cloud, Docker	
Head of Software support engineers & consultation at Iron Software. a software house specializes in developing Nuget Packages (www.ironsoftware.com)	March 2020 till November 2022
Responsibilities: Refactored the library core to include multi-rendering engines. This initiative resulted in a significant increase in the scope of targeting clients, as well as a greater level of client satisfaction. By making the library core injectable, I was able to make it more flexible and adaptable to different needs. This has allowed us to target a wider range of clients and provide them with a better user experience. Built multiple technical and tutorial guides. These guides have helped our clients to learn how to use our products more effectively. They have also helped to improve our customer satisfaction rating, as clients are able to find the information they need more easily. The guides are available on our website and are regularly updated with new content. Sample Tutorial (https://ironsoftware.com/csharp/webcrawler/tutorials/webcrawling-in-c-sharp) Transferred knowledge to the support and development team. This has helped to improve the overall quality of our products and services. By sharing my knowledge with others, I have been able to help them to learn and grow. This has also helped to create a more collaborative and supportive work environment. Used technologies: ASP.NET, .NET core, CI/CD, XUnit Test, Docker, Azure DevOps, Jira, AWS, Linux, MacOS	
Technical Lead at Integrant Inc. a software house with head office in USA (www.integrant.com)	May 2018 till March 2020
Responsibilities: Working with the Forte Web Project Team as technical lead Advised the customer to change some of the requirements to implement them in a different way, which saved him from future impacts. This resulted in more trust with the customer, and he handed us more projects.	

- Managed the team and ensured that all projects were completed on time and within budget.
- Identified and resolved any potential problems before they became major issues.
- Maintained a high level of quality throughout the development process.

Working with the BEST Life Project Team as technical lead

- Rearranged the team and trained them in Agile Development Management methodology.
- Implemented clean code and best practices, which resulted in better process quality and productivity.
- Successfully delivered large modules on time and without delay.
- Increased customer satisfaction by **handling** requests in a professional and timely manner.

Used technologies: ASP.NET, Webforms, .NET core, Angular, DDD, MVVM, XUnit Test, Jasmine, Karma, Docker, Azure DevOps

Worked in multiple companies like (**MotoSoft, Smart Prestige Emirates, Saudi Silicon**

November 2004 Till May 2018

Company, TravcoGroup, Global Knowledge) positions from software engineer till technical Manager and development manager.

using Technologies: ASP.Net MVC, C#, Web API, Html 5, Css3, Bootstrap, Angular, typescript, SQL server, Oracle, SharePoint, Microsoft dynamics AX, etc.

PROJECTS

Egypt assets	A governmental project that collects all Egypt's assets and manages them. Application providing services like (renting, court records, and pricing) Technologies: ASP.NET MVC, Web API, HTML 5, bootstrap, Css3, MSSQL, Microsoft server's domain, and active directory.
Integrant Inc.	Project Forte Web: is a web solution for US Wood Engineering production companies, the online portal provides features of designing floor, wall, and roof analysis product depths, widths, and a number of plies for spans and loads. Technologies: ASP.NET MVC, Web API, AngularJS, Html 5, bootstrap, Css3, MSSQL, Azure cloud (Blobs), Agile Scrum, client-side testing (Karma, Mocha, Jasmin). Project BEST Life (Health insurance management system): Best Life provides dental, vision, and life insurance in the US. The system consists of two main applications, HIAS is an ASP.Net application to manage insurance plans, coverage for customers and individuals, billing, and invoices. The second application is the WCF Windows service implemented to integrate with Federal and other states using X12 structures (834,820) templates for exchanging and processing data. Project BEST Detector: the application to help the operation team investigate issues and automate some operation team tasks. Technologies: ASP.NET Web Forms, MVC, Web API, WCF, Telerik Controls, MSSQL and SSRS, jQuery, TFS/Kanban for operation, Agile Scrum for development tasks
Iron Software	IronSoftware is a software company specializing in providing libraries and packages that help .net developers. IronPdf: library to convert HTML to PDF and has capabilities to edit on existing pdf IronOCR: library to extract text from images or pdf. IronBarCode: library to scan the barcode from an image or pdf IronWebScraper: library to scrap online websites and extract their content. IronXL.Excel: library to open/create/manipulate Excel files. Technologies: Dockers, MacOS, Linux, AWS, Azure, .NET Core, MVC, C#, VB.NET, Html 5, Css3, bootstrap
MotoSoft	Moto Scan: is a solution that manages car service centers containing modules like • Reservation module: to enable car owners to reserve an appointment. • Queue module: When the car arrives at the service center, it is queued into the queue system. • Inspection module: collect results from test instruments (by accessing machine local storage or by contacting machine API to get required information using machine SDK) and save them into the car profile. Moto Mart: portal to sell and buy cars Moto Rent: portal to rent cars Moto Parts: portal to sell and buy car spare parts UMS Wrapper: integration wrapper to integrate all systems with online car information distributors

	Technologies: ASP.Net MVC, C#, Web API, Html 5, Css3, Bootstrap, Angular 5, typescript
Interactive solutions IT – KSA	Employee material request (EMR): integrate Alothaim Internal Portal HR system with Alothaim Dynamics AX ERP to let Internal Portal Employee users request materials from inventory Module in Dynamics AX and after Approval cycle in dynamics ax the requested item sent to employee and inventory affected by this action. Vendors Bank Payment Service (B2B): integrate Alothaim Microsoft Dynamics AX ERP With Alahli NCB Bank B2B Gateway to Provide Alothaim finance Department with a new feature to send vendor payments electronically using NCB online gateway directly from Microsoft Dynamics AX ERP. Technologies: Microsoft Dynamics AX 2009, AIF, MorphX X++, Microsoft visual studio 2010, ASP.NET 3.5 C#, ASP.net Webforms, C#, SharePoint 2013, TFS, web services,
Travco Group	www.jaz.travel: Online Real-Time Hotel Booking engine. Tasks and versions: 1- @2008 implement Complete Content management system (CMS). 2- @2009 implement a real-time online booking engine that connects over 60 hotels implement internal reservation monitoring and reporting system. 3- @2010 build XML interface to integrate the engine with Agent reservation system. 4- @2010 integrate TUI Company website (Iberotel.com English version) by enabling Iberotel.com site visitors to book throw our Engine from TUI Website. 5- @2010 adding New Features for website and CMS and enhancing Booking performance. 6- @2010 Build Nile Cruise Booking Engine. 7- @2011 implement the Centralized Reservation System (CRS) for controlling all branches reservations. www.travcotravel.com: online portal for travel Tasks: 1- @2009 Implement online agent tariff system (ATS) for view our (Hotels, Cruises, cars) tariff for registered agents. (ATS) has back end enables the operators to build dynamic tariff equation for each agent to view deferent rates based on a contract with the agent. 2- @2010 Integrate web site with Online Booking Engine exist in http://www.Jaz.travel www.prestigecars.net: online car rent system www.madinatmakadigolf.com: website for Madinat Makadi resort contain resort facilities.
Articles	IronWebScraper : https://ironsoftware.com/csharp/webscraper/tutorials/webscrapping-in-c-sharp/ Dynamic Controls: Article Solve Dynamic Web Control Problem www.codeproject.com/KB/miscctrl/Dynamic_Control.aspx Free Moving Forms: Building Control Extending Free Move for Forms www.codeproject.com/KB/miscctrl/Moving_Form.aspx

EDUCATION

Degree	BSc in Computer Science & Management Technology (2003/2004), From Modern Academy, General Grade Good , Graduation Year Grade Very Good , Graduation Project Grade EXCELLENT .	
Certificates	PMP® — Project Management Professional Certification #4506614 Claude Code — The Practical Guide from Udemy · 2026 Microsoft Certified Professional MCTS [Web Development, SharePoint], MCP ID# 3757362	
Languages	Arabic	Native
	English	Very Good

PROFILE

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