TAHA ELSAYED

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TECHNICAL ARCHITECT II

Experienced .NET Technical Architect with 17+ years in telecom, healthcare, property taxes, and biotech industries. Proven expertise in designing and delivering enterprise software solutions. Skilled in team leadership, performance optimization, and aligning technology with business goals. A visionary with a deep understanding of .NET technologies, dedicated to driving project success and innovation.

Software Architecture • Team Lead • Software Project Delivery • Design Patterns • Native Cloud Microservices • SDLC • SOA • Backend • OOP • Project Lead

Languages: C#
Web: HTML5, CSS3, Typescript, XML, AJAX, jQuery, jUnit, BootStrap, Angular, Node, React, Express
Web Services: REST, SOAP, JSON, Microservices
Web/App Servers: Apache/Tomcat, IIS
Frameworks: ASP.Net Core, Visual Studio, Spring (MVC, Boot, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, eTom
Databases: MS SQL, MySql, MongoDB, Oracle, Cosmos
Design Patterns: Strategy, Observer, Composite, Facade, Proxy, Chain of Responsibility
SDLC: Agile, Waterfall
Tools: .NET Core, Angular, AWS Cloud, Azure ADFS, Azure Cloud, Azure DevOps, Kubernetes, BizTalk, Docker, Microsoft SQL Server, Microsoft Visual Studio 2022
Platforms: Windows, Linux
Application/Software: Mosaic inventory, Ultimus BPM, Hamilton vantage, BizTalk, Azure Government Cloud, Okta, Redgate ANTS, Juniper SRC, AquaSec.

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

ADM, Erlanger, Kentucky, USA • 10/2023 – present
Food and Beverage Manufacturing.

Technical Architect II
- Architecting, designing, and leading the technical solutions.
- Lead the technical design of application solutions, including cloud native solutions.
- Take accountability for solution requirement definitions, conceptual, and high-level and low-level design artifact generation.
- Support design reviews.
- Lead reviews of solutions to audit against design requirements.
- Research, experiment, and prototype new cloud application services.
- Help maintain and develop technical standards.
- Manage adherence to defined architecture standards throughout the Application development lifecycle.
- Provide oversight and coaching to developers as part of the Architecture Services Organization.
- Provide subject matter expertise to design, develop, and implement technical architecture in alignment with Enterprise Architecture's direction and standards.
- Maintain knowledge of industry trends and utilize this knowledge to educate both IT and the business on opportunities to build better target architectures that support and drive business decisions.
- Support IT Enterprise governance functions (RFI's, vendor risk assessments, etc…)

Technologies Used: *C#, .NET Core, RESTful API, Azure Cloud, Microsoft Visual Studio 2022, Viso, AquaSec.*

INTEGRANT, INC (Egypt branch), Cairo, Egypt • 04/2021 – 12/2022
Staffing company in US.

Technical Architect

Architecting, designing, and leading the technical team

- Led the project Automated Chemistry Enumeration for Neurocrine: US-based client in the drug discovery/Bioinformatics industry.
- Designed enterprise architecture using DDD and Microservices architecture to increase coding productivity and architecture flexibility.
- Implemented the project structure and coding standards of backend using C#, .NET Core, and front-end using Angular, RESTful API, Okta, Oracle database, AWS Cloud, Microsoft Visual Studio 2022, EC2 to achieve digital transformation.
- SDLC using Azure DevOps for tracking and integration.
- Built CI/CD pipelines using Azure DevOps.

Technologies Used: *C#, .NET Core, and front-end using Angular, RESTful API, Okta, Oracle database, AWS Cloud, Microsoft Visual Studio 2022, EC2*

INTEGRANT, INC (Egypt branch), Cairo, Egypt • 09/2019 – 06/2021

Staffing company in US.

Senior Technical Project Lead

Leading a team of a digital transformation

- Led the design and development of Integrated Property Tax System (for San Diego County).
- Designed enterprise architecture using DDD and Microservices architecture to increase coding productivity and architecture flexibility.

- Implemented the project structure and coding standards of backend using C#, .NET Core, and front-end using Angular, RESTful API, Okta, Oracle database, Azure Government Cloud, Microsoft Visual Studio 2022, EC2 to achieve digital transformation.
- SDLC using Azure DevOps for tracking and integration.
- Built CI/CD pipelines using Azure DevOps.

Technologies Used: *C#, .NET Core, Typescript, Angular, RESTful API, Azure Government Cloud, Azure DevOps, CI/CD, Microsoft Visual Studio 2019, Entity Framework, Azure Kubernetes service, Azure API gateway, Azure API Management, Docker*

INTEGRANT, INC (Egypt branch), Cairo, Egypt • 07/2018 – 08/2019

Staffing company in US.

Technical Project Lead II

Leading a team

- Led the design and development of Javelin® software for Weyerhaeuser designers (US based client).
- Led the design and development of web application – "HealthState" for Confirm BioSciences (US-based client).
- Designed and developed the architecture of the application responsible for doing "control test" of the COVID vaccine for Inovio Pharmaceuticals (US based client).
- SDLC using Azure DevOps for tracking and integration.
- Built CI/CD pipelines using Azure DevOps.
- Enhanced and upgraded performance using Redgate ANTS.

Technologies Used: *C#, .NET, WPF, PRISM, Microsoft SQL Server, Azure Cloud, Azure DevOps, CI/CD, Microsoft Visual Studio 2017, Entity Framework, Redgate ANTS, FDA guidelines for software approval, Signal R.*

INTEGRANT, INC (Egypt branch), Cairo, Egypt • 08/2017 – 06/2018

Staffing company in US.

Technical Project Lead

Leading a team

- Led the development and design of Alaris® Technical Utility application for Becton, Dickinson, and Company (BD): US-based client): (Medial devices, class II)
- Designed the architecture using DDD to increase coding productivity and architecture flexibility.
- SDLC using TFS for tracking and integration.
- Implemented Inter-process Communication Protocol (IPC) via serial port using C# for hardware integration.

Technologies Used: *C#, .NET Framework, WPF, PRISM, Microsoft SQL Server, GIT, TFS, CI/CD, Microsoft Visual Studio 2017, MS Test, Entity Framework.*

LINKDEVELOPMENT (Egypt branch), Cairo, Egypt ● 07/2007 – 08/2017
A global technology solutions provider leading the digitalization of private and public sectors.

Senior Development Manager ● 01/2014 – 08/2017
Led a team
• Led the design and development of Tracer 4.0 (for Orange Egypt) Telco Solution.
• Implemented SOA to increase coding productivity and architecture modularity.
• Led the production support team – L2 to allow seamless operations in the production environment.

Development Manager ● 01/2011 – 12/2013
Technical Lead ● 07/2008 – 12/2010
Senior Software Engineer ● 07/2007 – 06/2008
<u>Technologies Used:</u> C#, .NET Framework, ASP.NET WEB API, Java, jQuery, AngularJS, JavaScript, LINQ, MSSQL, MongoDB, BizTalk, Ultimus BPM, Microsoft Provisioning Server, Ericsson BSCS, MS Lync, MS Exchange Server, SQL Server Integration Services (SSIS), Tableau, Bash Shell scripting, CORBA protocol, SOAP, Sun LDAP, Juniper SRC network elements, eTOM, TFS.

LINKDOTNET, Cairo, Egypt ● Software Developer, 09/2005 – 06/2007
MOSHTRIAT.COM CO, Cairo, Egypt ● Software Developer, 09/2004 – 09/2005

ACADEMIC PROJECTS

Maharishi International University (2023) Blog System: Built a blog system using Spring Boot and Microservices architecture. I built one microservice to handle CRUD operations for user comments and the API gateway service using Docker Compose.
Utilized Spring Boot, Hibernate, MySQL

Maharishi International University (2023) Movie Rating Mobile App: Team project to build a movie rating mobile app where users can search by movie name, filter by genre, and rate movies. I built services using Retrofit to interact with the IMDB API to retrieve movies, filter, and search.
Utilized Kotlin, Android

Maharishi International University (2023) Library management system: Team project to build a desktop library management system to allow the librarian to add users, books, and book copies. I built the services used by JavaFX to handle the application's business logic.
Utilized Java, JavaFX, OOP composition

Maharishi International University (2023) Online Dictionary: Web application project that allows users to search for word definitions in a dictionary. I built a whole project using Node.js and Express for both the back end and front-end.
Utilized Node.JS, MySQL

Maharishi International University (2023) Student Hub: Web application that allows students to share job openings and faculty members to share comments about students with recruiters. I built the cross-cutting concerns of the service layer—authentication, authorization, and logging—in the back end as well as the interceptors in the front-end.
Utilized Spring Boot, Hibernate, MySQL, React

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 10/2024)
Maharishi International University, Fairfield, Iowa

<u>Key Courses</u>: Modern Programming Practices, Web Application Programming, Mobile Device Programming, Enterprise Architecture, Web Applications - Architecture and Frameworks

Bachelor of Science in Computer Science

Computer Science, Sohag University, Sohag, Egypt (10/2003)

CERTIFICATIONS

• Business Development Manager, TM Forum, May 2012
• Project Management Professional diploma (PMP-diploma), RITI, January 2010.
• Microsoft Certified Application Developer (MCAD), January 2007, Credential ID C696-6824