

Saif Almaliki

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Digital Transformation | IoT and Data Architecture | Industry4.0 | Applied GenAI

Experienced Data Architect and Consultant with a focus on digital transformation and sustainable innovation in cloud computing, IoT, and advanced data platforms. Specialized in Microsoft Azure with a strong track record in deploying secure, scalable cloud architectures and data-driven solutions. Dedicated to driving impactful, green digital transformation for long-term organizational growth.

Education

M.Sc. Computer Engineering

Graduation: July 2022 (Grade: 1.7)

Duisburg-Essen University,

Duisburg-Germany

B.Sc. Computer Engineering

Graduation: July 2012 (Grade: 82.6%)

University Of Baghdad

Baghdad-Iraq

Work Experience

PricewaterhouseCoopers (PwC)

Senior Consultant - Digital transformation Advisory – Full-time

Germany, Düsseldorf

April 2021 – present

- Led data-driven digital transformation projects across Europe and North America pwc territories, using Azure technology stack (Data Factory, Databricks, MS Fabric,...)
- Expert in processing real-time IoT streaming data and batch data workflows, ensuring seamless integration and high-performance data pipelines tailored to diverse business needs.
- Designed advanced analytics platforms for IoT and data lake solutions using medallion architectures, providing insights to enable strategic, data-informed decisions.
- Applied best practices in CI/CD, automation, and testing, ensuring the timely and high-quality delivery of project solutions.
- Actively mentored junior consultants, fostering a collaborative and innovative environment in line with pwc values.
- Effectively communicated insights to diverse technical and business stakeholders.
- Efficiently manages technology projects from conception to implementation, employing Agile and Scrum methodologies to ensure project success and stakeholder satisfaction.
- Craft customized proposals and future-proof architectures aligned with specific client needs, demonstrating a keen understanding of diverse industry challenges.

Korek Engineering Systems

Senior Consultant - Control & Automation Engineer – Full-time

Iraq, Sulaymaniyah

March 2014 – Sep 2019

- Provided consultancy services in designing and delivering tailored automation and control solutions for clients in oil & gas, water treatment plants and asphalt producer.
- Developed advanced PLC & RTU Logic applications, ensuring optimal system efficiency.
- Integrated and supported SCADA systems to enhance operational performance for clients.
- Led project lifecycles from initial proposals, solution design, to commissioning, focusing on technical excellence and client satisfaction.
- Delivered comprehensive training programs to equip clients with the skills and knowledge needed to independently operate and maintain the plant, ensuring long-term operational success.

International Rescue Committee (IRC)**IT Support Engineer – Full-time****Iraq, Baghdad****March 2013 – March 2014**

- Provided expert technical support for headquarters and eight sub-offices, maintaining seamless IT operations.
- Managed server installations and network configurations (DHCP, DNS, AD, Group Policy, Backup), improving system reliability.
- Developed and sustained high-performance wired and wireless networks, ensuring company-wide connectivity.
- Swiftly addressed and solved advanced technical problems, minimizing system downtime.
- Directed the procurement of IT assets and maintained rigorous inventory controls, enhancing resource management.

AITaj Co. Ltd**Presale Engineer. IT Infrastructure – Full-time****Iraq, Baghdad****Sep 2012 – March 2013**

Led servers and storages solutions marketing campaigns:

- Enhancing brand visibility and driving sales.
- Post-sale, managed the installation and administration of server solutions, delivering seamless transitions and operational excellence.
- Strengthened client relationships and established our offerings as leaders in the IT infrastructure sector.

Certificates

- 2023: Terraform Associate.
- 2022: Microsoft Azure IoT Specialist (AZ-220)
- 2021: Microsoft Azure Data Scientist certified (DP-100).
- 2021: AWS Solution Architect Associate certified (SAA-02).
- 2016: Project Management Principles and Practices (California University, Irvine)

Languages

- English (Fluent)
- German (Communication)
- Arabic (Native)

Technical Skills & Expertise:

- Proficient in developing scalable and maintainable web applications using Python, adhering to design patterns and best practices.
- Expert in Azure, proficient in AWS, with advanced skills in Terraform for infrastructure as code. Specializes in secure, efficient architecture and optimization across cloud and edge, ensuring seamless operations.
- Proficient in Databricks, Medallion Data Architecture, Unity Catalog, Delta Sharing, and SQL/NoSQL technologies for batch and real-time processing, with expertise in Power BI/MS Fabric and Grafana for efficient data visualization and analysis.
- Adept in Kubernetes, Docker, Helm for deployment, with a strong focus on CI/CD and DevOps practices to streamline deployment and operations.
- Experienced in leveraging edge computing for real-time data analysis and seamless operations.