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# Matin Maleki

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## Objective

Highly experienced technology professional with **over 17 years of experience in software development** and a **PhD candidate in software engineering**. Looking to leverage my knowledge and experience in a solution architect role, where I can contribute to the development of innovative software solutions using cutting-edge technologies.

## Skills & Abilities

### Technical Skills

- **Software Development:** Proficient in C# (17 years), JavaScript (10 years), C++ (6 years), Python (4 years), Java (2 years), .Net (17 years), REST APIs (10 years), Node.js (4 years).
- **Database Management:** Experienced in MS SQL (14 years), Azure SQL (8 years), Postgres (6 years), Timescale DB (6 years), MongoDB (2 years).
- **Front-End Development:** Skilled in ASP.Net (10 years), MVC.Net (8 years), JavaScript (8 years), Silverlight (3 years), WPF (8 years), HTML (14 years), CSS (14 years).
- **Cloud Services:** Knowledgeable in MS Azure (6 years), AWS (1 year), Google Cloud (1 year).
- **DevOps:** Proficient in Azure DevOps (6 years).

### Soft Skills

- **Leadership:** Proven ability to lead cross-functional teams and drive software development projects to successful completion.
- **Communication:** Excellent written and verbal communication skills, with the ability to clearly articulate complex technical concepts to diverse audiences.
- **Problem Solving:** Strong problem-solving skills, with a track record of developing innovative solutions to complex technical challenges.
- **Teamwork:** Proven ability to work effectively in diverse teams, collaborating closely with colleagues to achieve shared objectives.

## Experience

### Woodgrove Technologies, Toronto (2020 – 2024)

#### Software Development Team Lead / Manager (2021 – 2024)

- Led the design and implementation of **Azure cloud architectures**, delivering scalability, resilience, and alignment with modern DevOps practices.
- Designed and integrated fuzzy logic components to enable flexible decision-making under changing conditions and incomplete data.
- Established microservices and continuous delivery workflows for efficient cloud and DevOps integration.
- Developed a C++ computer vision module for analyzing images and videos across various stages of an industrial process.
- Planned and implemented a specialized database solution to capture thousands of data points per second, prioritizing high-speed retrieval and storage to support real-time analytics.
- Conducted regular reviews to maintain system performance, security, and compliance.
- Researched emerging technologies and evaluated potential benefits for long-term architectural evolution. Provided recommendations that balanced innovation with system stability and business needs.

#### Senior Software Developer (2020-2021)

- Designed and implemented scalable data ingestion processes for real-time monitoring, ensuring system resilience and fault tolerance across distributed environments.
- Configured triggers and alert thresholds for critical metrics, ensuring timely incident response and minimizing system downtime.
- Developed intuitive, user-focused dashboards for time-series data, leveraging modern UI frameworks and analytics tools to present complex metrics in an actionable format.
- Stayed current with emerging tools and technologies in real-time monitoring and data visualization, and applied best practices to enhance reliability, security, and compliance.

### DAC Group, Toronto (2018 – 2020)

#### Application Developer

- Designed and developed a system to collect, process, and unify public data from multiple sources in real-time, applying a modular, cloud-native architecture to simplify data ingestion, validation, and enrichment.
- Built a centralized platform to manage location-specific information (e.g., addresses, contact details), ensuring accurate, up-to-date records for each locale.
- Transitioned from a single, centralized MongoDB instance to a distributed Azure SQL Database architecture, achieving higher performance and reliability.
- Employed microservices and containerization for flexible deployment and easier maintenance. Established CI/CD pipelines with Azure DevOps to automate builds, testing, and releases.

## **Ericsson and Concordia University MAGIC Lab (2017 – 2018)**

### **Research Assistant**

- Filed a patent project based on 5G and Cloud services.
- Designed systems with built-in redundancy and established automatic failover processes.
- Leveraged real-time observability tools and analytics to track critical metrics, promptly detect anomalies, and notify the right teams for immediate incident response.

## **Sabaidea.com (2014 – 2016)**

### **Software UI/UX Architect**

- Lead changes from the creative team to apply on the primary presentation layer of assets for Mobile, Web, and TV for startup ideas.

## **Education**

- **Doctor of Philosophy in Electrical and Computer Engineering**, Concordia University, Montreal, Canada, 2017-2018
- **Master of Engineering in Software Engineering**, Qazvin IAU, Iran, 2017
- **Bachelor of Engineering in Software Engineering**, Tehran, Iran, 2013

## **Volunteer Works**

- Public speaking at Usability Day in Iran Ministry of Communication and Telecom.
- Participation in various National and International Robotic Competitions.

## **Certificates**

- Master CIW web designer, 2006
- SQL server Implementation and Maintenance, 2008
- Interaction Design Foundation: Human-Computer Interaction, 2015
- Interaction Design Foundation: Gamification-Creating Addictive User Experiences, 2015
- Microsoft Certified: Azure AI Fundamentals, 2022

References are available upon request.

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