SOHEIL AYANMANESHRAD
Senior Software Developer
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PROFILE SUMMARY

With a solid academic background in Computer Applications and Engineering, I am an experienced Senior Web Developer with over ten years of hands-on expertise. My work has been primarily in the medical and healthcare sectors, emphasizing the creation and optimization of state-of-the-art web applications. I possess technical proficiency in languages and tools such as **C#**, **JavaScript**, **ReactJS**, and **SQL Server**. Furthermore, I have a deep understanding of **domain-driven design**, which complements my user-centric design approach. Furthermore, my experience has equipped me with a comprehensive grasp of medical imaging standards, protocols, and formats, supported by strong analytical and problem-solving capabilities. I am looking to leverage my skills and contribute to dynamic projects within progressive teams.

EDUCATION

Bachelor of Technology Engineering in Computer Hardware
Parsa University
Mazandaran, Iran, 2009-2012

Associate's Degree in Software Engineering
Islamic Azad University
Mahalat, Iran, 2005-2009

Diploma in Computer Networks
Mohammad Mardani High School
Tehran, Iran, 2000-2004

PROFESSIONAL EXPERIENCE

Senior Software Developer & Programmer
Pars Private Hospital Tehran, Iran
July 2015 - August 2023

- Developed expertise in key applications including Hospital Information System (**HIS**), Radiology Information System (**RIS**), and Laboratory Information System (**LIS**), all grounded in the Domain-Driven Design (**DDD**) + **CQRS** methodology.

- Migrated **Delphi** to **.NET core** using tools such as **WEBAPI**, **SQL Server**, **Entity Framework (EF) Core**, and **Microsoft Power BI report server**.

- Employed **Camunda** for **workflow design**, **RabbitMQ** for efficient message management, and integrated security measures using **Identity Server 4**.

- Developed **HIS**, **RIS**, and **LIS** applications front-end utilizing **ReactJS** and crafted the back-end framework using **.NET Core**.

- As a front-end developer, I have experience in developing the user interface using various technologies such as React.js, Redux, Material UI components, and CSS/SCSS

- Facilitated systematic data collection, validation, storage, and subsequent retrieval processes concerning hospital patient records, ensuring accurate and efficient communication with insurance companies.

- Designed and implemented an automated dashboard for hospital personnel using **Camunda**, targeting HR functions. This tool centralized data, automated routine HR tasks, and simplified personnel record access, enhancing efficiency and compliance with institutional HR policies.

- Implemented **Agile & Scrum** approach by using Microsoft **Azure DevOps Server** for managing team activities.

Senior Web Developer & Programmer
MARCO- PACS Company, Tehran, Iran
March 2012 - May 2015

- Integrated the company's software with other platforms including Radiology Information Systems (**RIS**) and Electronic Medical Records (**EMR**).

- Applied Microsoft SQL Report Server to manage and display Medical Image reports.

- Mastered and implemented open-source **JavaScript** libraries akin to Cornerstone.js for the optimal display of **Dicom** Images.

- Optimized the company's website performance through efficient coding, caching, and database query optimization.

- I developed a web application using technologies such as ASP.NET MVC, Knockout.js, and jQuery.

- Integrated communication among CT-Scan, MRI, and sonography with the PACS application and RIS

- Implemented the **Agile & Scrum** approach by using **Jira** for managing collaboration across various projects and TortoiseSVN for version controlling.

SKILLS

C#, **.NET Core**, **ASP MVC**, **WEB API**, **Entity Framework (EF) Core**, **IdentityServer 4**,

Microsoft SQL Server, **Microsoft PowerBI Report Server, Visual Studio & Visual Code,**

Azure DevOps Server, **Git**, **Jira**, **Domain Design Driven (DDD)+CQRS**, **RabitMQ**, **NServiceBus.**

JavaScript, TypeScript, ReactJS, **Redux, WebPack, Jquery,**

HTML, , CSS, SCSS, Bootstrap, MaterialUI, Responsive Design.