Owais Khan

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SKILLS

- **Software & Web Development**: C# .NET • ASP.NET Core • ASP.NET MVC • T-SQL • MySQL • MongoDB • Entity Framework • Web API's • Micro Services • Dockers • JavaScript (jQuery, AJAX, JSON, etc.) • Angular • Node JS • JAVA • Amazon Web Services • Postman
- **Data Analysis & Engineering:** Python • R language • SAS • TABLEAU • Microsoft SQL Server • PostgreSQL • ETL
- **Maintenance & Management:** Version Control (TFS, SVN, git) • Azure DevOps • Jenkins • Jira • Workday • Asana • Agile • SAFe

EXPERIENCE

Software Engineer II - Dematic
Holland, MI [May 2022 - Present]*

- Developing a web application & a windows service for remote, global deployment of micro-fulfillment software for managing AGVs & AMRs in warehouses, using **.NET Core Web APIs**, **Angular**, **Azure DevOps**, **git**, **SignalR**, **MS SQL Server** & **PowerShell**.
- Implementing **Test-Driven Development (TDD)** in our applications with Microsoft's **XUnit framework**.
- Incorporating security in applications using **OAuth2**, **JWT**, **Azure Key Vault** etc.
- Leading a team of developers & doing code reviews, task assignments, architecture design meetings & requirement gathering.
- Created dashboards in **TABLEAU/Power BI** for analyzing material handling data and identifying system performance anomalies**.**
- Implementing **SAFe principles** for planning & utilizing **Azure DevOps** & **Kubernetes** for software development & deployment.
- Showcasing completed features & products to stakeholders & clients, ensuring a comprehensive demonstration of functionality & value.
- Producing comprehensive technical documentation for software architecture, design decisions, coding standards, and maintenance guides, and preparing progress reports for higher management.

Software & Data Analyst - Johnson Center
Grand Rapids, MI [Sept 2021 – May 2022]

- Adding multiple features to existing websites & bug fixing using **C# .NET, ASP.NET MVC, JavaScript & PostgreSQL database**.
- Processed and transformed raw national datasets from various sources into insightful visualizations using **R** and **Tableau**.
- Developed regression models with **Python libraries (NumPy, Pandas, Scikit-learn)** to analyze dataset patterns and predict future trends.

Senior Software Engineer - Ibex
Karachi, Pakistan [Mar 2016 – Dec 2020]

- **Order Processing Tool:** Developed a web portal using **ASP.NET MVC**, **JavaScript**, and **SQL** for managing call center operations, enabling agents to process orders for TV, internet, and phone services for clients like Spectrum, AT&T, Xfinity. The portal featured user hierarchy and extensive management tools**.**
- **Amazon Alexa (IOT):** Created an **Alexa Skill** using **Alexa Skill Kit** and **AWS Lambda (Node.js)** enabling customers to find and order the best internet deals by zip code from providers like Spectrum, AT&T, Xfinity, directly through their Alexa devices.
- **Approval Management System:** A system that helps onboard multiple clients to an OET (Order Entry Tool) & helps process their requests through a customized chain of admin users. **C# .NET, ASP.NET MVC, jQuery, JSON & SQL** were used for the development.
- **Communication Templates:** A portal feature facilitating the customization of numerous email templates which they can use to send notification messages to their users & customers. This feature was developed using **C#.NET, ASP.NET MVC, jQuery, SQL** & **Html Utility**.
- **Customer Analysis:** Analyzed large data sets of customer purchases to check their preferences to offer similar deals to the same category of other customers to enhance the sales. **Microsoft SQL Server** & **JavaScript libraires** were used for the analysis.
- **Geo Filter:** Created an Angular-based, ASP.NET Core MVC integrated portal for quickly enabling/blocking products and offers by zip code, state, or offer details, streamlining client and management responses to availability issues.

Other Projects - Freelancing
Remote [Dec 2017 – Sept 2021]

- **Asset Management:** An application supporting the management of assets bought from multiple companies to perform smart investments. This application was created using **React, ASP.NET Core Web APIs & SQL Server.**
- **Library Management System:** Developed an RF-Tag based system for streamlined library check-ins and check-outs. It features a librarian portal for managing books, users, and locations, and student website for book reservations and location tracking. Developed using ASP.NET MVC, Windows Forms, Web APIs, and SQL Server, enhancing wireless management.
- **Rent a House**: Developed a house rental site using **Angular, C# .NET, ASP.NET Core Web API & SQL** which assist the tenants to find a vacant house to rent & facilitate the landlords to manage their tenants & properties.

EDUCATION

- **Grand Valley State University** *Michigan, USA [Jan 2021 – Aug 2022]*
  Master of Science (M.S.) in Data Science & Analytics **(GPA: 3.30)**
- **Sir Syed University of Engineering & Technology** *Karachi, Pakistan [Jan 2012 – Dec 2015]*
  Bachelor of Science (B.S.) in Computer Engineering **(GPA: 3.26)**

CERTIFICATIONS & AWARDS

- Microsoft Exam AZ-900: Microsoft Azure Fundamentals
- Microsoft Exam AI-900: Microsoft Azure Artificial Intelligence Fundamentals
- Microsoft Exam 70-486: ASP.NET MVC Web Applications
- Microsoft Exam 70-480: HTML5, CSS3 & JavaScript
- SAS Certified Associate 9.4
- Best Innovator Award 2019 – Ibex