**Uma Mahesh Ande**

**.Net Full Stack Cloud Engineer**

**Professional Summary**

Software professional with around 8 years of experience especially in the areas of Web, Windows and Cloud applications Development and maintenance for HealthCare, Manufacturing, Finance and Sales Domains using .Net frameworks and .Net Core. Collaborated with clients and organization officials to identify data analysis needs, develop, and implement data collection procedures and developed custom monitoring tools and automation workflows. Seeking opportunities where I can contribute effectively, working independently or with team with limited supervision and working in tighter schedules, meeting project deadlines, and ability to learn on the fly.

* Over 8 years of IT industry experience in Designing, Developing, Deploying, Testing and supporting applications by using Software Engineering and Database Engineering principles into Azure, AWS Cloud.
* 8 years’ experience with web development in Microsoft .NET development platform using ASP.Net, MVC and Webforms
* 8 years’ experience with web development and a SQL Server backend.
* 8 years’ experience in object-oriented programming.
* 6 years’ experience in developing Web Services, WCF using SOAP and REST API’s.
* 8 years’ experience writing SQL Server Queries and Stored Procedures.
* 4 years’ experience writing Entity Framework data access
* 3 years’ experience with Microsoft’s .Net 6 higher frameworks.
* 4 years’ experience with Azure DevOps work item management and source control
* 5 years’ experience with Microsoft Azure 8 Migrated on-premise apps to Azure.
* 8 years of experience working in a Scrum Agile development environment.
* 4 years’ experience with web development in HTML, CSS, JavaScript.
* 8 years’ experience in maintaining version control for source code using GitHub.
* 3 Years of experience in ETL tools like SSIS for data integration.
* 2 years of experience in designing user interfaces using ReactJS, Angular.
* Hosted API’s and Interactive UI apps in Amazon EKS and configured Amazon S3 for object storages.
* Configured Domain Names using Amazon Route 53.
* Migrated on-premise SQL server to Amazon RDS using Amazon Database Migration Service.
* Worked on configuring and managing AWS IAM, AWS KMS, AWS Shield.
* Expertise in designing custom reports using SSRS, Power Bi.
* Cloud enthusiastic having experience with Azure Stack and knowledge of Kubernetes.
* Successfully migrated SQL Server databases from 2012 to 2019, resulting in a 30% performance improvement.
* Experience in migration of application from on-premise environment to Microsoft Azure and deployed applications into Azure Web Apps, AKS Cluster and Azure Functions using CI/CD pipelines.
* Proficiently managed source code control using tools such as VSS, SVN, TFS, Azure Repos, and GitHub to ensure version control, collaboration, and code integrity.
* Led multiple automation projects to enhance existing processes and developed new tools, significantly improving efficiency and productivity.
* Strong troubleshooting skills over all .Net platforms.
* Expertise in performing debugging to ensure stability and reliability of the applications. Also developed well-structured reusable code by following coding standards.
* Worked closely with cross-functional teams, including 3rd party integration developers, front-end developers, and project managers, to deliver Enterprise grade applications.
* Extensively involved in handling critical modules as per business requirement and resolved the bugs identified.
* Coordinated with team to provide necessary guidance, encouraged them to reach their goals by providing feedback in timely manner.

**Skills**

* **Programming:** C#, VB.Net, VB6, SQL, PL/SQL, Java.
* **Technologies:** ASP.NET, ASP.NET Web API, ASP.NET MVC, ASP.NET Web Forms, WCF, Web Services, Windows Service, ADO.NET, LINQ, WinForms, ASP.Net Core, ASP.Net Core Web API, EF, EF Core, Auto Mapper.
* **Versions**: .NET Framework 2.0, 3.5, 4.0, 4.5 & 4.8, .Net 6, .Net 8, .Net 8.
* **Web Components:** HTML, CSS, JavaScript, React JS.
* **Cloud Services:** Azure Web Apps, Azure Functions, Azure Logic Apps, Azure SQL, Azure Event Hub, Azure Service Bus, Azure Storage Account, Azure Kubernetes (AKS), ADF, Azure DevOps, Azure Key Vault, Azure APIM, Other Major Azure cloud services.
* **Database:** MS SQL Server 2012/2018/2019, Oracle Database, As400 Database.
* **Repositories:** GitHub, Azure Repos, TFS, SVN, VSS.
* **IDE:** SSMS, Visual Studio 2010, 2015, 2018, 2019, 2022, Visual Studio Code, Eclipse.
* **Monitoring Tools:** Azure Monitor, Splunk, Dyna Trace, Grafana.
* **Project Management:** Atlassian Jira, Rally, Service Now.
* **API Testing:** Postman, SOAP UI, Swagger UI.
* **Reporting Services:** SSRS Reports, Crystal Reports, Power BI.
* **IAC:** ARM, Terraform.
* **Others:** Docker, Selenium Web Driver, CyberArk, HashiCorp Vaults, Venafi, Workday, Oracle ERP.

**Certifications & Awards**

* Microsoft Certified Azure Developer Associate.
* Microsoft Certified Azure Fundamentals
* Microsoft Certified in Securing Azure Files and Azure Blob Storage.
* Certified in Migrate SQL Server workloads to Azure SQL Database.
* Awarded with Optum ACE Award for designing robust cloud architecture which estimated to save 600K USD in 3 years.
* Awarded with Insta award for Developing Application Health Monitoring System which improves the operation efficiency by 20%.
* Awarded with Insta award for Developing statement module in Finance App in tight schedule.
* Awarded with Outstanding Employee award for designing and configuring Automation workflows which helps in saving cost around 20K USD per Anum.

**Professional Experience**

**Senior Software Engineer (Fulltime) | Feb 2023 – Sep 2024**

**Client: Optum (UHG) US | Employer: Optum (UHG)**

* Facilitated bi-weekly cadence meetings to present project status and IT initiatives to business stakeholders, enhancing communication and alignment.
* Designed and executed the Azure Cloud Migration Project for the Formulary Management Tool, achieving $150K in annual savings.
* Modernized legacy applications by migrating to a new tech stack using React.js and Web APIs, increasing scalability and performance.
* Developed 10 robust web Api’s using .Net 6 to interact with backend SQL databases as part of formulary management system modernization.
* Implemented 2 web Api's using .Net 8 for data exchange between downstream claims systems.
* Developed a C# module to interact with CyberArk vaulting services to remediate security vulnerabilities.
* Implemented a custom C# Library to retrieve the UUID information from One HealthCare security platform.
* Designed 6 user interfaces using React JS and implemented service layer to establish connection with backend Api’s
* Enhanced and maintained a React JS based feedback module to record and save the feedback details from both external and internal users.
* Implemented multiple OAuth authentication protocols, including Optum SSO and OHID, to enforce MFA, strengthening security measures.
* Configured CyberArk vaulting services to manage non-user accounts, remediating 8 vulnerabilities and enhancing security.
* Integrated web apps with HashiCorp Vault and developed an API to securely retrieve application secrets, bolstering data security.
* Developed APIs to seamlessly integrate 2 downstream on-premise systems and exposed them via Star Gateway, ensuring smooth data flow.
* Migrated 8 on-premise SQL Server databases to Azure SQL Managed Instance, improving scalability and reducing maintenance overhead.
* Engineered a .NET-based queuing system to handle bulk SOAP requests, boosting operational efficiency by 10%.
* Automated test cases using Selenium WebDriver, enhancing testing accuracy and speed.
* Implemented 4 CI/CD pipelines for deploying containerized applications to an AKS cluster, ensuring efficient and automated deployment processes.
* Provisioned Azure resources using Terraform templates across 4 environments, streamlining infrastructure management.
* Managed 5 Windows services responsible for generating Word documents, streamlining backend processes and improving productivity.
* Executed change requests and priority tickets from clients, ensuring prompt resolution and driving client satisfaction.
* Performed monthly activities like loading FRF, ORF, ERF, and labeler code files, meeting CMS timelines and ensuring compliance.
* Boosted IT team efficiency by 20% through the development of automated solutions using Azure services and SQL Jobs.
* Implemented a purging mechanism for user activity logs, reducing SQL Server disk space by 20GB and optimizing database performance.
* Created 4 customized Power BI reports on demand for external clients, enhancing data-driven decision-making.
* Supported and maintained master drug databases by managing SSIS packages to load 4 Medi-Span files daily, ensuring data accuracy.
* Led and mentored a team of 6 contractors throughout an Azure migration project, driving successful project completion and team development.

**Technology Analyst (Fulltime) | Nov 2019 – Feb 2023**

**Client: Johnson Controls, US | Employer: Infosys Limited.**

* Participated in Daily Scrum calls to deliver project updates, ensuring team alignment and progress tracking.
* Collaborated with business leaders to gather Enhancement Requirements, provided estimations, and drafted SOWs by coordinating with JCI & Infosys Managers, streamlining project initiation processes.
* Delivered L3 support for AMS across Ruskin, Simplex Grennell, and Incentive Compensation Entities within JCI, resolving complex issues and maintaining system reliability.
* Served as the Subject Matter Expert (SME) for approximately 60 hybrid model applications in Finance, Manufacturing & Sales domains, providing expert guidance and support.
* Led high and low-level design efforts, conducting design reviews for 5 complex projects, driving quality and innovation in solution architecture.
* Developed a C# based custom Health Check monitoring system, boosting operational efficiency by 20%.
* Authored pseudo codes and recreated source code repositories for 20 Windows or Web-Based applications using JetBrains Code decompile tool, enhancing code management and accessibility.
* Provisioned a Desktop-based sales quotes application to create Quote Groups, resulting in a 15% increase in operational efficiency using C#, VB.Net, WinForms, Infragistics.
* Integrated a sales quote creation Web App with Genesis CRM system using 5 REST Asp.Net Web APIs for the Fire and Security team, enhancing sales process efficiency.
* Developed and exposed mobile deficiency quote WCF Services, and integrated them with Velocity Mobile Application via MuleSoft API, enabling seamless mobile access.
* Enhanced and maintained the Asp.net Webforms based incentive compensation system by implementing Azure AD Authentication, ensuring timely payment of incentives across 60 plans.
* Integrated new plans and developed compensation calculations, including Statement Report generation for JCI employees, streamlining compensation processes using WPF, Component One.
* Implemented SSIS packed to load data from MS Access DB to SQL DB.
* Created client certificates and integrated them with the Website, strengthening application security.
* Executed monthly, quarterly, and annual runs for Finance apps, impacting around $100 million in incentives, ensuring accurate and timely financial processing based on data integrations from Workday, Oracle ERP, NexGen Seibel.
* Implemented SSRS report changes according to business requirements, improving record analysis and decision-making capabilities.
* Optimized Oracle SQL queries and operational processes in finance applications using Z Entity Framework SDK, reducing process completion time.
* Developed and integrated new roles in applications, applying all incentive policies and calculations introduced by the business team, ensuring policy compliance with the help of C# and Vb.Net Modules
* Conducted Root Cause Analysis (RCA) for post-implementation issues, delivering effective bug fixes and ensuring system stability.
* Developed interactive UIs for Credit Memo, Image Capture, and Freight Audit applications using ASP.NET MVC, enhancing user experience and functionality.
* Maintained and Enhanced an Angular 8 based web application for Credit Analyst team.
* Maintained sales and Order management systems developed in Microservices Architecture.
* Implemented 9 CI/CD pipelines to deploy source code to Azure Web App, API App, and Azure Functions, ensuring efficient and automated deployment.
* Utilized ARM templates to provision Azure resources across 3 environments, standardizing infrastructure deployment.
* Built robust APIs to interact with back-end AWS RDS databases using ASP.NET Web API, ensuring seamless data integration.
* Automated back-end workflows using Amazon EKS, AWS Lambda increasing operational efficiency and reducing manual effort.
* Integrated all applications with AWS IAM to implement Single Sign-On (SSO) and enforce Multi-Factor Authentication (MFA), enhancing security across platforms.

**Systems Engineer (Fulltime) | Aug 2017 – Oct 2019**

**Client: Johnson Controls, US | Employer: Infosys Limited.**

* Collaborated with the Scrum team to present project status and address issues, ensuring clear communication and swift resolution of blockers.
* Contributed to team meetings by providing project status updates and highlighting critical issues, driving informed decision-making.
* Coordinated project activities, including documenting Minutes of Meeting, developing work plans, and supporting development and maintenance efforts, facilitating seamless project execution.
* Authored SRS documents, Test Cases, DLD, and HLD documents for 10 applications, enhancing project documentation and alignment with business requirements.
* Integrated the Time Management System of US employees with US Payroll Systems using C#, VB.Net, Oracle DB ensuring accurate payroll processing twice a month, and maintaining compliance.
* Supported the Workday team in migrating the EU-based Holiday and Absence Management System, developed in ASP.NET and MS SQL, completing the migration within 3 months.
* Provided ongoing support and maintenance for the Time Management System, ensuring continuous operation and resolving any issues promptly.
* Resolved approximately 25 user queries monthly on the US-based privileged waging .NET Web Application, enhancing user satisfaction and system reliability.
* Managed enhancement and maintenance activities in 3 VB6, As400 DB Windows-based Sales Applications, improving functionality and ensuring the system's long-term viability.

**Education**

**September 2014 - May 2018**

Bachelor’s degree in Electronics and Communication Engineering, Jawaharlal Nehru Technological University, India.

**June 2016 - June 2018**

Technology and Entrepreneurship Program, Indian School of Business (ISB) Hyderabad, India.