**VENKATA**

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Seattle, Washington, United States

Work Authorization: H1B



**PROFESSIONAL SUMMARY**

* Over **6 years** of experience in the Technology industry.
* Solid experience in the domains of Cloud Computing **(Microsoft Azure/AWS/Rack Space)** and Strong understanding of **Deployments** in **Global Datacenters** and **Disaster Recovery processes**.
* Exposure on **Azure Storage/ Azure Active Directory/ Azure Cosmos DB.**
* Solid hands-on experience with **SQL Azure** and **SQL Server 2016.**
* Experience working on **Microsoft .NET framework.**
* Hands on experience with **Visual Studio 2017, Eclipse** and experienced in **App Debugging** and **Unit Testing.**
* Exposure on **Terraform, Ansible, Docker, Kubernetes,** and **Jenkins.**
* Experience in documenting the **Software Requirements Specifications** including **Functional Requirements, Data Requirements** and **Performance Requirements.**
* Experience in building **Scalable Applications** and maintaining them with **99.99% SLA** with **Continuous Integration** and **Continuous Deployment (CICD).**

**TECHNICAL SKILLS**

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| --- | --- |
| **Languages** | C#, Python |
| **Web Technologies** | HTML5, XML, CSS3, Twitter Bootstrap, Java Script |
| **Scripting** | Power Shell, Azure Power Shell, Python |
| **Web API** | REST, SOAP |
| **Microsoft Azure Compute** | Azure Data Factory, Azure Data Catalog, Azure Storage, Azure Active Directory, Azure Data Lake, Azure Cache for Redis, Cosmos DB and KUSTO. |
| **IDE** | Microsoft Visual Studio 2019, Eclipse |
| **SQL Tools** | SQL Server 2019, T-SQL, SSMS |
| **Version Control** | GIT, TFS, Tortoise SVN |
| **Modeling Tools** | Rational Rose |
| **Operating-Systems** | Windows 11, Windows Server 2019, Unix, Linux |
| **Virtualization** | Hyper-V, Virtual Box, VMWare Workstation |
| **Dev Ops / Others** | Azure Dev Ops, Terraform, Ansible, Docker, Kubernetes, and Jenkins. |

**CERTIFICATIONS**

* **Microsoft Certified Solutions Associate: Cloud Platform:** **Architecting Microsoft Azure Solutions (534)**, Microsoft Certification ID: 12948166.
* **Microsoft Certified Professional (MCP),** Microsoft Certification ID: 12948166.
* **Microsoft Specialist: Implementing Microsoft Azure Infrastructure Solutions (533),** Microsoft Certification ID: 12948166.

**EDUCATION**

* **Master of Science in Computer Science,** University of Central Missouri - USA, January 2014 – May 2015.
* **Bachelor of Technology in Information Technology,** JNTUK - India, August 2009 – May 2013.

**PROFESSIONAL EXPERIENCE**

**Quadrant Resource LLC, Redmond, WA March 2018 – Present**

**Client: Microsoft – Azure Data (R&D Data SQL Server)**

**DevOps Engineer**

* Extensive **Development/Testing/Deployment** work in Cloud & Enterprise and collaborate with different internal teams (Engineering Systems/SQL Server Tiger/Central Infrastructure) across Microsoft.
* Debug and isolate the Azure IaaS cloud capacity deployments failures due to **Code Breaks & Infrastructure failures** for various versions of Windows/SQL Server builds.
* Migrating internal applications from on-premises Test/Release Management infrastructure to Microsoft Visual Studio Release Management and TFS Cloud Test.

***Technologies:*** *C#, .NET, Java Script, JSON, T-SQL, Windows Server 2012, Hyper-V, PowerShell, Microsoft Azure Compute, Azure Resource Manager (ARM), Azure Site Recovery (ASR), Azure PowerShell, Azure Authentication/Authorization, Azure Active Directory (AAD), Azure SQL Databases, Azure Data Lake, Azure Application Insights/ Azure HDInsight, KUSTO, Azure Service Bus, Geneva Telemetry, Power BI, Team Foundation Server (TFS) with GIT, GIT Bash, SQL Server 2016, Visual Studio 2016, Visual Studio Team Services (VSTS).*

**Quadrant Resource LLC, Redmond, WA October 2017 – February 2018**

**Client: Microsoft – Strategic Enterprise Services IT (SESIT)**

**Software Development Engineer**

* **Implemented code transformations** for DEV/UAT/SIT/PROD on VSTS for **Build & Release with TFS with GIT/VSTS/Azure.**
* **Used the REST API’s** for consuming the data for the other services.
* PowerShell Script for automating the code transformation for Unit Testing and deploying SSIS package using VSTS
* **Designed the Database Schema** and **developed Stored Procedures/Functions** for the **Azure SQL Database**.
* **Monitoring SQL Server** in On-premises and on Azure.
* **Data Migration (ETL) to SQL Azure Database** from the On-premises systems and implemented **data backup mechanisms** in global data centers on Azure.
* Tested the code using **Unit Testing** and different **Smoke Tests.**
* Extensive use of **Version Control – Git with TFS** for maintaining the code in the repositories and frequently updating them.

***Technologies:*** *C#, .NET, Java Script, JSON, T-SQL, Windows Server 2012, Hyper-V, PowerShell, Microsoft Azure Compute, Azure Resource Manager (ARM), Azure PowerShell, Azure Authentication/Authorization, Azure Active Directory (AAD), Azure SQL Databases, Azure Data Lake, Azure Application Insights/ Azure HDInsight, KUSTO, Azure Service Bus, Team Foundation Server (TFS) with GIT, GIT Bash, SQL Server 2016, Visual Studio 2016, Visual Studio Team Services (VSTS).*

**Quadrant Resource LLC, Redmond, WA December 2016 – September 2017**

**Client: Microsoft - Information Security & Risk Management (ISRM)**

**Software Development Engineer**

* Wrote the **User Stories** and **Requirements Gathering** for the Ticketing\_2.0 System.
* Designed and developed the UI for the portal using **HTML5/ CSS3/ Bootstrap/ jQuery Grid.**
* **Developed a MVC Application** for handling and processing the requests for the System.
* **Used the VSTS REST API’s** for maintaining Visual Studio Team Services (Primary Data-Source).
* **Designed the Database Schema** and **developed Stored Procedures/Functions** for the **Azure SQL Database** (Secondary Data-Source).
* **Developed new Business Logic** to handle multiple requests to store it on **VSTS/Azure SQL and Azure Blob Storage.**
* **Data Migration (ETL) to SQL Azure Database** from the On-premises systems and implemented **data backup mechanisms** in global datacenters on Azure.
* Power Shell automation for Web API deployment.
* Conducted **Smoke tests** and **Chaos Monkey style exercises** on the system, **performed security drills** to prevent the system from **SQL/XSS vulnerabilities.**
* Created repositories on TFS with GIT/ Separate branches after each Code Freeze/Used GIT BASH commands for Code – **STATUS/ADD/COMMIT/PUSH & CONFLICT resolution.**
* **Used Hewlett Packard Enterprise (HPE) Fortify Security** Web Inspect for **recognizing Potential Security Vulnerabilities.**

***Technologies:*** *HTML5, CSS3, jQuery, C#, .NET, Java Script, JSON, T-SQL, Windows Server 2012, Hyper-V, PowerShell, Microsoft Azure Compute, Azure Resource Manager(ARM), Azure PowerShell, Azure Authentication/Authorization, Azure Active Directory(AAD), Azure SQL Databases, Azure Data Lake, Azure Application Insights/ Azure HDInsight, KUSTO, Team Foundation Server(TFS) with GIT, GIT Bash, SQL Server 2016, Visual Studio 2016, Visual Studio Team Services(VSTS), Hewlett Packard Enterprise(HPE) Fortify Security Web Inspect.*

**Lenora Systems / Quadrant Resource LLC, Redmond, WA December 2015 –** **November 2016**

**Client: Microsoft – Identity Team**

**Associate Software Engineer**

* Deployment/ Admin/Development work for Applications based on **Microsoft Azure Cloud Platform (PaaS/ IAAS)**. Analyze business requirements and existing system in Production Environment.
* Perform **Disaster Recovery (DR) for Service Resilience** using custom Azure PowerShell Scripts and Robocopy with predefined SOP’s.
* Extensively worked on **Azure Compute/Azure Storage/Networking/IIS logs/System logs/Azure Traffic Manager/Azure Active Directory (AAD)/VSTS/Azure Blobs.**
* Developed **Stored Procedures** implementing and enhance the performance of current system.
* Provide daily, weekly & monthly **Reports to Business Users/Client.**
* **Troubleshoot** issues with **Reporting,** implement new **Changes/Features** to the current system to introduce **New Functionalities.**
* **Identify High-Level System Impacts.** Maintain knowledge of emerging technologies.
* Develop automation using scripting languages like **PowerShell** to reduce manual effort.
* Monitor **Azure Cosmos DB** and manual submit **Azure Cosmos Scripts** in failing scenarios and **Reduce Noise.**
* Running complex **Elastic Search** and **Postman queries.**
* Monitoring **System Health** and **Data Processing Mechanisms** using **Monitors, Metrics** on **Telemetry** like **Microsoft Geneva.**
* Monitor the services maintained on **Amazon Web Services (AWS)/Rack Space** using **IAM Services.**
* **Prepare SOP** for newly occurred high priority escalations like **SEV0 & SEV1.**
* **Lead Off-Shore Teams** to maintain stable **Global Availability** systems and excellent service delivery within the **SLA.**

***Technologies:*** *C#, .NET, T-SQL, PowerShell, Java Script, Windows Server 2012, Linux Server, Hyper-V, Microsoft Azure Compute, Azure Resource Manager(ARM), Azure PowerShell, Azure SQL Databases, Azure Storage, Azure Traffic Manager, Azure Active Directory(AAD), Azure App Services, Azure Cosmos DB, Azure Data Lake, Azure VM, Snapshot & Restore, Azure Redis Cache, Azure Web Services, Azure Web Role, Azure Worker Role, Azure Application Insights/ Azure HDInsight, KUSTO, Amazon Web Services(AWS), Elastic Search, Rack Space, Team Foundation Server(TFS) with GIT, SQL Server 2014, Visual Studio 2015, Visual Studio Team Services(VSTS).*

**Bell Info Solutions LLC, Sterling, VA August 2015 – December 2015**

**Software Analyst**

* Handled **Requirement Gathering, Requirement Analysis** and **Design Document** preparation
* Played key role in Client Discussions to explain/understand the changes in the **Requirements** and efficiently coordinated with team members to **Resolve the Technical Issues** encountered.
* Implementing **REST based WEB API**.
* **Designed Database** using **SQL Server 2014**.
* Created **Stored procedures** for getting tabular data from SQL.
* **Migrated the On-Premises SQL Server Database** to the **Azure SQL Database** with **100% Test-Pass.**
* Used **TFS Version Control** for maintaining the code during Build/Release and test it on UAT and deploy it on PROD.
* Performing **Unit Testing** on different modules of the project during the development process.
* Fixed Bugs during the **Staging** and **Deployment** process and **debugging** the application running **Smoke-Tests.**
* Extensively used **Fiddler** for testing **URLs of WEB API** before handing it to **Front End Team.**

***Technologies:*** *HTML5, CSS3, C#, JSON, T-SQL, Windows Server 2012, Hyper-V, PowerShell, Microsoft Azure Compute, Azure PowerShell, Azure VM, Azure Data Lake, Azure Active Directory (AAD), Azure SQL Databases, Team Foundation Server (TFS) with GIT, GIT Bash, Tortoise SVN, SQL Server 2014, Visual Studio 2013, Visual Studio Team Services (VSTS), Linux Server, Unit Testing.*

**INTERNATIONAL JOURNALS PUBLISHED**

* **A Study on Cloud Computing and its Security Issues** | IJCSN | Network, Vol 2, Issue 1, 2013
* **A Review on Data Security in Data Warehousing.** | IFRSA |Vol 2|issue4|November 2012
* **A Critique on Web Usage Mining.** | IJCSIT | Vol. 3 (5), 2012,5276-5279