Sraddhananda Jetty

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DevOps Engineer / Site Reliability Engineer

Microsoft Certified Azure Solutions Architect Expert.

As a DevOps Engineer with experience in designing, coding, testing, manage and support cloud-based services and products. Proficient in an assortment of technologies.

Has 11+ **years** of experience in IT industry of which **three plus years** of domain expertise in PCI.

Worked extensively with PCI DSS audit controls, dot net and windows OS & network concepts, RDBMS like MS-SQL server. Strong in supporting application infrastructure and worked on Windows NT, 95, 2003, 2008, 2012 and 2016 windows platforms. Develop PowerShell scripts to automate the routine tasks and reduce manual efforts/mistakes.

Be escalation hub for executive, senior management, and staff on emergency issues and resolutions. Work directly with corporate vendors and business units to ensure new technologies meet common goals

**Skills:**

* Cloud Services: Azure (Certified).
* DevOps Tools: VSTS Suite, Terraform, puppet, Octopus, ARM Templates
* Database: MS SQL Server 2005/2008/2012/2014/2016, Azure SQL DB, Elastic Search
* Languages: T-SQL, C#, Power Shell.
* Microsoft Internal Tools: Kusto, Dgrep
* Reporting: SSRS, Power BI
* OS: Windows 2003/2008/2012, Windows Xp/7/8/10.
* IIS: IIS 6/7/7.5/8, Azure web roles.
* PCI DSS Controls, NetMon, certificate management, Azure Security.
* SCOM, Orchestrator, App Insights, SSIS, Docker containers, Kubernetes

## Summary:

* Having 11+Years of experience as a Service Engineer.
* 4 + years as DevOps engineer and Azure.
* Create ARM / Terraform templates to maintain infrastructure as code.
* Manage and support services hosted in Azure cloud services.
* Design, code, test and deploy operational tasks to Azure.
* Be a DRI to handle incidents and send relevant communications.
* Prepare RCA documents and repair items to comply with problem management.
* Write scripts to improve custom telemetry.
* Passwords and Secret management in Azure Key Vault.
* Implement Just in Time access for Azure resources.
* Build and support Elastic search clusters.
* Increased security presence with initiatives involving HIPS (host intrusion protection), SCOM/SCCM/MOM (enterprise monitoring), which standardized SOX (Sarbanes-Oxley) and PCI DSS (Credit Card transaction).
* Set up and monitored SQL Server maintenance and alerts.
* IIS Administration and analyzing IIS logs.
* Automating and implementing self-healing process to reduce repetitive manual efforts.
* Troubleshooting issues like Deadlocks, locking & blockings.
* Configuring and monitoring Jobs, Alerts.
* Extensive experience in writing Stored Procedures, Triggers, queries.
* Managing security, providing permissions of server roles and database roles.
* Extensive experience in planning, configuring, maintaining and troubleshooting Transactional, Snapshot, and Replication
* Monitor SQL Server logs, fragmentation, statistics and event notifications for trouble shooting.
* Monitored, analyzed, and tuned SQL Server database performance and utilization and allocated server resources to achieve optimum database performance using self-developed SQL scripts, Groundwork, Profiler, Dynamic Management Views and Windows Performance Monitor.

Experience from 24th July 2019 – Till date

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| TLC Marketing worldwide  Cloud engineer  **Role: Cloud Engineer**  **Duration: JULY 2019 to TILL DATE** |  |  |

* Transform monolithic architecture to micro service architecture.
* Create ARM templates for infrastructure as code.
* Create and update CI/CD pipelines.
* Provision app insights & author custom alerts based on functional metrics.
* Automate single page application creation and deployment.
* Design docker containers and orchestrate through Kubernetes.
* Automate Azure service fabric cluster management and rolling updates.
* Review and recommendation for enterprise architecture.
* Design and implement custom RBAC rules in Azure.
* Implement Just in Time (JIT) access on Azure resources.
* Secret management through Azure Key vault.
* Design custom dashboards for projects based on available metrics and custom telemetry.
* Write custom PowerShell scripts and incorporate in automation runbooks.

Experience from 15th JAN 2019 – 31st may 2019

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| NRW  DevOps Engineer.  **Role: DevOps Engineer**  **Duration: JAN 2019 to MAY 2019** |  |  |

* Transform legacy systems to cloud ready services.
* Create ARM templates for provision/decommission of infrastructure in Dev & Test environments with 1 click deployment from Azure DevOps.
* Create and update CI/CD pipelines.
* Provision app insights & author custom alerts to have holistic monitoring across the environment.
* Review and recommendation for existing systems.
* Design and implement custom RBAC rules in Azure.
* Implement Just in Time (JIT) access on Azure resources.
* Design custom dashboards for projects based on available metrics and custom telemetry.
* Write custom PowerShell scripts and incorporate in automation runbooks.
* Create logic apps like functions with c#.
* Create data driven web jobs in Azure App service.

Experience from 26th DEC 2017 – 20th JULY 2018

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| Buxton Consulting  DevOps Engineer.  **Role: DevOps Engineer**  **Client: Veritas**  **Duration: DEC 2017 to JULY 2018** |  |  |

* Lead the 6-member team and support a huge migration project.
* Design, develop and operate a distributed migration system with c#.
* Manage the infrastructure using Terraform.
* Deploy packages using octopus.
* Update CI/CD pipelines based on changes.
* Build and manage docker containers.
* Design and implement the incremental reconciliation.
* Design live power BI reports to cast the statistics.
* Write PowerShell scripts for automation and on-demand reports.
* Design and develop custom tools to handle miscellaneous tasks on Azure.

Experience from 18th JULY 2016 – 8th DEC 2017

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| MINDTREE SERVICES LTD.  DevOps Engineer.  **Role: DevOps Engineer**  **Client: Microsoft R & D India**  **Duration: JULY 2016 to DEC 2017** |  |  |

* An individual contributor in a huge service delivery team to manage and support a product hosted on the Azure cloud.
* Perform sprint tasks to support regular operations.
* Design, code, test and deploy automated scripts to support operational activities.
* Performed code reviews and managed an Agile SDLC.
* Create CI / CD pipelines.
* Manage passwords & certificates as secrets through Azure KeyVault.
* Enable audit on KeyVault and review periodically.
* Be a DRI to handle incidents and send relevant communications.
* Prepare RCA documents and repair items to comply with problem management.
* Write Kusto & Dgrep queries to improve telemetry.
* Write PowerShell scripts to get customize reports.
* Develop internal solutions in C# to support operations.
* Create Dashboards in Jarvis/Geneva portal.
* Create power BI reports for the business leaders and analysts.

Experience from 1st APR 2015 – 15th JULY 2016

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| COGNIZANT TECHNOLOGY SOLUTIONS  Service Ops Engineer |  |  |

**Role: Associate Operations Manager**

**Client: Stewart**

**Duration: APR 2015 to JULY 2016**

**Project Description**: Stewart is US based land title and the insurance company which is operating across all regions. Supporting their infrastructure and operations from offshore. 300+ servers, 8k+ databases which are spread over different regional data centers. Installations, upgrades, migrations along with general daily operations.

**Roles and Responsibilities:**

* To lead a 6-member team and sync with the client on weekly basis.
* Generate deployment scripts for an unattended installation.
* Write PowerShell scripts to use in system center configuration manager for inventory updates.
* Create /Update SCOM management packs to customize telemetry.
* Configuring and monitoring alerts as per client’s request.
* Managing security, providing permissions of server roles and database roles.
* Capacity Planning.
* Write SQL stored procedures and functions as per business need.
* Extensive experience in planning, configuring, maintaining and troubleshooting Transactional, Snapshot, and Replication.
* Monitor SQL Server logs, fragmentation, statistics and event notifications for trouble shooting.
* Monitored, analyzed, and tuned SQL Server database performance and utilization and allocated server resources to achieve optimum database performance using self-developed SQL scripts, Groundwork, Profiler, Dynamic Management Views and Windows Performance Monitor.
* Troubleshooting general windows and network issues using standard tools.
* Create SCOM dashboards by consuming SCOM Datawarehouse data.

Experience from 21st Nov 2011 – 30th MAR 2015

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| MAHINDRA SATYAM  Service Ops Engineer |  |

**Role: Service Ops Engineer**

**Client: Microsoft**

**Duration: NOV 2011 to MAR 2015**

**Project Description: O**rder Management is one of the MICROSOFT’S prestigious project.

Online payments for the Microsoft products is the part of this application. Mail acknowledgments and encryption of sensitive data using PGP. Monitoring the Integration between various platforms and exchange data using encryption.

**Roles and Responsibilities:**

* To lead a 10-member team and sync with the client on weekly basis.
* Increased security presence with initiatives involving HIPS (host intrusion protection), SCOM/SCCM/MOM (enterprise monitoring), which standardized SOX (Sarbanes-Oxley) and PCI DSS (Credit Card transaction).
* Set up, monitor, and support ETL encryption process for credit card transactions and PCI compliance.
* Create Orchestrator runbooks to
* Set up and monitored SQL Server maintenance and alerts.
* Monitoring 17 WEB, 4 APP servers which are for MSMQ utility.
* Manual encryption and decryption of flat files when necessary using PGP command line tool.
* IIS Administration and analyzing IIS logs.
* Troubleshooting Network issues using Netmon tool and handling persistent routes.
* Write PowerShell scripts to improve telemetry and automate the routine work.
* Create integration packages for ETL.
* Create Power BI reports and dashboards.
* Create SSRS reports.
* Deploy the sprint updates and signoff.
* Manage the routine production operations and communications.

Experience from 1st Oct 2007- 18th Nov 2011

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| BUSINESS TECHNOLOGY SOLUTIONS PVT. LTD, Hyderabad.  As a MS SQL Server Database Administrator. |  |

Manage database administration assignments for diverse industry clients. Enhance database performance, perform restores, implement recovery procedures, handle performance tuning and conduct regular system backups. Ensure technical and functional designs meet business requirements.

**Role: MS SQL SERVER DBA**

**Client: SAGE IT INC.**

**Duration: OCT 2007 to NOV 2011**

**Roles and Responsibilities:**

* Installation and configuration of SQL Server 2005 on Windows 2003 platform.
* Migration of databases from SQL Server 2000 to SQL Server 2005.
* Provided 24/7 Support for Production MS SQL Servers.
* Performing regular Backups and restore operations whenever required.
* Monitoring Database Mirroring with High Availability Mode in MS SQL 2005.
* Monitoring Log shipping and trouble shooting of errors.
* Configuring and Monitoring Replication.
* Monitoring clustered nodes.
* Check the Performance Tuning, Query Optimization, and Database.
* Administrator tasks like managing users, roles, granting permissions.
* Adding users to the Database and granting permissions.
* Scheduling jobs in SQL server.
* Understand and troubleshooting issues such as High CPU Utilization, Slow Running Queries, and memory usage.

Education

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| Bachelor of Technology (Electronics & Communications) from JNTU, Hyderabad. |  |

Certifications

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| **AZ-300/301**: Microsoft Certified Azure Solutions Architect Expert.  **TS:** Microsoft SQL Server 2005 - Implementation and Maintenance  PRO: Designing and Optimizing Data Access by Using Microsoft SQL Server 2005  Personal details  Name: Sraddhananda Jetty  D.O.B: 24-12-1984  Location: Nottingham |  |