Tejeshwar Reddy

Sr. Azure DevOps Engineer

Email: tejeshwar1392@gmail.com
Phone: (346)-673-6861
LinkedIn: https://www.linkedin.com/in/tejeshwar-reddy/
(Open to Relocate in USA)
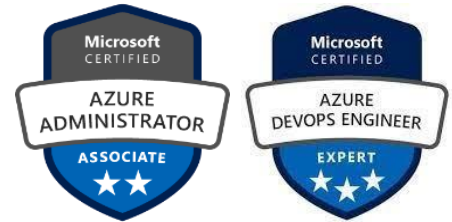
EXECUTIVE PROFESSIONAL SUMMARY:

Experienced Azure/AWS DevOps Lead, SRE, and Engineer with over 10+ years of expertise in Build and Release Engineering, Configuration Management, and Linux System Administration. Proven track record in designing and maintaining robust CI/CD pipelines, driving automation, and managing cloud-based infrastructures across Azure and AWS environments. Skilled in optimizing workflows, enhancing system performance, and ensuring high availability and scalability. Adept at leveraging DevOps principles to streamline operations, accelerate time-to-market, and improve overall system reliability. Proficient in containerization, cloud migration, and security vulnerability management, with hands-on experience in Kubernetes, Terraform, Helm, and Prometheus for monitoring. Known for applying Agile methodologies, collaborating with cross-functional teams, and delivering secure, efficient, and cost-effective solutions that align with business goals.

- Proficient in configuring Azure DevOps **YAML pipelines** especially for **Dynamics CRM** application deployment, including defining build and release pipelines, setting up triggers, and configuring environments for automated deployment processes.
- Proficient in **Microsoft Azure** across **IaaS**, **SaaS**, and **PaaS**. Experienced in deploying and managing **Azure APP** and **Azure** services like Storage, **Azure Active Directory**, Virtual Machines, Blob Storage, SQL Database, **Azure Data Factory**, **Web Apps** deployment, using Application Insights for monitoring, Azure Sentinel for security, and Key Vaults for key management.
- Proficient in leveraging a wide range of **AWS services** and features to architect scalable, reliable, and secure cloud solutions. Deep understanding of **AWS** services such as EC2, S3, Lambda, RDS, Cloud Formation, and more.
- Proficient in leveraging **Terraform** to automate the deployment and management of cloud infrastructure, including **IaaS** and **PaaS** services.
- Experienced in **Kubernetes** orchestration and proficient in **Helm** charts for streamlined deployment and efficient containerized application management.
- Proficient in setting up and configuring **Prometheus** and **Grafana** stack for monitoring infrastructure, applications, and services.
- Capture **applications** baseline performance deviations and implement proactive **Splunk** monitoring and alerting of production systems
- Leverage monitoring tools (such as **Splunk**/**Dynatrace**) and capabilities to find **root cause** for incident and **problem management**.
- Provide **Splunk** monitoring **subject matter expertise** and main **point of contact** for supported applications.
- Good Experience in security **vulnerability** management like **Rapid7**.
- Leveraged built-in and custom connectors in **Azure Logic App** to transform data, trigger actions, send notifications, and automate tasks across different systems and platforms.
- Successfully migrated on-premises databases to Azure Blob Storage, and Azure SQL Database using **Azure Data Factory**, ensuring minimal downtime and data loss during the migration process.
- Experienced in **Python** and **Shell scripting** for task automation and rapid prototyping. Proficient in developing robust scripts to enhance operational efficiency.

- Worked on a wide range of Azure services including AKS, AD, App services, identity, hybrid connectivity, networking, and monitoring.
- Worked on **Datadog** used for Continuous monitoring infrastructure, applications, and services for performance metrics like CPU, memory, and response time
- Worked on end-to-end creation of Build and release **YAML pipelines** in Azure DevOps with integration with security tools like Sonar Qube, Prisma.
- Worked on building **docker images** for **microservices**, pushing to **ACR**, and deploying to **AKS** using **Azure DevOps YAML** pipelines.

TECHNICAL SKILLS:

Operating Systems	Redhat Linux 6,7, Ubuntu 18/20 ,Windows 2008/2010,CentOS6,7
Automation Tools	Azure Devops, Jenkins, Terraform, ARM Templates, CricleCI
CI CD Tools	Jenkins, Azure Devops, Github actions, ArgoCD
Build Tools	Ant, Maven, MS Build, Gradle
Version Control Tools	Azure Repos, GIT, Bit Bucket
Monitoring Tool	Azure Monitor, Sentinel, Prometheus , Cloud Watch, DataDog
Cloud Environment	Azure and AWS
Scripting Languages	Python, Shell Scripting, Powershell, .Net and #C and YAML
Database	Mongodb, Postgress , Mysql , SQL, Azure SQL (Azure RDB)
SCM Tools	Ansible and Salf Stack

EDUCATION:

- Bachelor of Technology(B.Tech) from JNTU University_ Anantapuram, Andhra Pradesh, India.

Certifications :

- AZ-104 – Microsoft Azure Administrator
- AZ-400 – Designing and Implementing Microsoft DevOps Solutions

PROJECTS:

Sumitomo Mitsui Banking Corporation _ Sr. Azure DevOps Engineer   May 2024 _ Till

- **Managed and executed a rapid migration** of CI/CD pipelines from Jenkins to Azure DevOps, enhancing pipeline performance and reducing build times by 25%.
- **Automated the deployment process** for 10+ applications using Azure Pipelines, ensuring consistent and reliable releases across development, staging, and production environments.
- **Implemented Azure DevOps Boards** for agile project management, enabling better tracking of tasks, bugs, and features, and improving team productivity by 15%.
- **Optimized the use of Azure Artifacts** for package management, standardizing the delivery of dependencies across multiple teams and projects.
- **Configured Azure DevOps Service Connections** for secure integration with on-premise and cloud resources, ensuring seamless interaction between different environments.

- **Executed comprehensive testing and validation** during the migration, ensuring all applications functioned correctly post-migration with zero defects in production.
- **Developed and documented a detailed migration plan**, outlining key milestones, risk management strategies, and rollback procedures to ensure project success within the tight timeline.
- **Facilitated knowledge transfer session's** post-migration, training development and operations teams on the new Azure DevOps processes and tools, leading to a smooth handover and adoption.
- **Integrated third-party tools** such as SonarQube and Nexus into Azure DevOps for enhanced code quality and artifact management, improving overall software quality.
- **Reduced technical debt** by refactoring legacy scripts and configurations during the migration process, aligning them with Azure DevOps best practices.
- **Utilized Terraform and Python** to manage cloud infrastructure, ensuring reproducibility, automation, and scalability of Kubernetes clusters.
- Implemented **GitHub Actions to automate CI/CD** pipelines for infrastructure provisioning and updates.
- Led the provisioning, configuration, and performance tuning of **Databricks** and Azure infrastructure, resulting in improved operational efficiency and reduced costs.
- Engineered and deployed scalable Azure solutions, including enforcing access controls, ensuring data security and compliance, and implementing cost optimization strategies.
- Configured and managed network connections between various data sources within Azure, including Private Endpoints, network rules, and **Azure Data Lake**, to ensure seamless data integration and security.
- Implemented technical setups for new features and offerings, enhancing system capabilities and aligning with business requirements.
- Delivered technical support and troubleshooting for **Azure** and **Databricks** platforms, ensuring smooth and efficient operations and resolving issues in a timely manner.
- Utilized Snowflake for data warehousing solutions and managed code repositories using GitHub, ensuring effective version control and collaboration.
- Employed DevOps practices to streamline deployment and integration processes, and utilized **Agile methodologies (Scrum) and tools (Jira)** to enhance project management and team collaboration

Optum (UHG) _ Senior DevOps Engineer   Nov 2021 – April 2024

- Implemented **Azure policies** for multiple clients prior to Azure migration. Developed and enforced comprehensive policies for resource deployment, access controls, and compliance, ensuring smooth transition and alignment with organizational requirements.
- Implemented **centralized logging** in Azure, consolidating and analyzing logs for improved monitoring and troubleshooting across diverse environments.
- Led creation of **Azure** and **AWS infrastructure with Terraform**, automating provisioning for consistency and scalability. Integrated Terraform with Jenkins for efficient CI/CD pipelines, managing and updating Azure environment seamlessly.
- Developed scalable and resilient business processes by modeling workflows with **Azure Logic App's** visual designer, orchestrating complex sequences of tasks, conditions, and triggers.
- Led creation of **Azure infrastructure with Terraform**, automating provisioning for consistency and scalability. Integrated Terraform with Jenkins for efficient CI/CD pipelines using ADO **YAML Pipeline**, managing and updating Azure environment seamlessly.

- Leveraged **Azure Data Factory**'s connectivity options, including self-hosted integration runtimes, to securely connect to on-premises data sources and initiate data movement to Azure storage and databases
- Designed and implemented Azure Data Factory pipelines for MongoDB, SQL DB, and MySQL DB data workflows, enabling seamless integration and synchronization across Azure.
- With **Azure RDB** we have fully managed service tasks such as patching, backups, and monitoring.
- Designing, implementing, and managing AWS cloud infrastructure solutions based on business requirements and best practices.
- Implemented and configured **SAST (Static Application Security Testing)** tools like ☐ **Veracode**, **Checkmarx**, **Fortify** and **SonarQube** for automated code quality analysis. Integrated seamlessly into CI/CD pipelines for enforcing standards and continuous improvement.
- Conducted comprehensive **vulnerability** assessments using **Rapid7's** InsightVM/Nexpose platform.
- Successfully reduced the number of **critical** and **high**-severity vulnerabilities by 30% over a 6-month period, enhancing the organization's security posture.
- Created **Splunk** Monitoring for High CPU Alerts, Application service pulse and log analytics.
- Also created **Splunk dashboards** and setup of **Splunk** alerts to constantly maintain and manage Batch Jobs, DB health and server health.
- Implemented **DAST** (Dynamic Application Security Testing) tools are Burp Suite, **Acunetix** to detect vulnerabilities during runtime.
- Implemented encryption for data at rest and in transit using **AWS Key Management**
- Service (KMS), SSL/TLS, and **AWS Certificate Manage**r.
- Contributed a major role in single click pipeline which build everything related to project.
- Implemented automated pipelines for micro service deployment on Kubernetes. Utilized CI/ CD for seamless delivery of containerized apps, integrating with Kubernetes for scalability and resilience.
- Implemented DAST (Dynamic Application Security Testing) tools are Burp Suite, Acunetix to detect vulnerabilities during runtime.
- Developed and managed AWS infrastructure using CloudFormation, ensuring scalable and reliable cloud architecture.
- Provided leadership in adopting DevOps best practices across the software development lifecycle, enhancing release processes and reducing deployment time by 30%.
- Designed and optimized database schemas, indexes, and queries for MS SQL Server, improving data retrieval performance.
- Led data migration projects, ensuring seamless data movement between environments and maintaining data integrity.
- Utilized **SSIS** for **ETL** processes, automating data integration and transformation tasks.
- Created and maintained bash and Node.js scripts for automating administrative tasks and enhancing system automation.
- Conducted code reviews and collaborated with development teams to implement security features into application solutions.
- Architect and deploy **AWS cloud** solutions using **VPC**, Cloud Formation, **IAM**, **EC2**, and **S3** to meet business and security requirements.
- Automate infrastructure management and deployment pipelines with **Terraform Cloud**, reducing manual intervention.
- Lead the design and execution of test cycles, unit tests, and test scripts for embedded vehicle control systems and software applications, ensuring high reliability and performance.
- Manage and support **DevOps** toolchains, including **Jira**, **Bamboo**, **Git/Bitbucket**, and Confluence, optimizing workflows and collaboration across teams.

- Implement security best practices within AWS environments, including access controls, data encryption, and secure networking.
- Administer Linux servers, developing bash scripts to automate routine tasks and improve system efficiency.
- Developed and deployed cloud-native applications and services on **PAAS** services such as Azure App Service, Azure Functions, and Azure Kubernetes Service (AKS), leveraging managed services to streamline development and deployment
- Developing and maintaining infrastructure as code (IaC) using tools like AWS Terraform, to automate provisioning and configuration tasks
- Managing AWS Identity and Access Management (IAM) policies, encryption keys, network security groups, and security configurations to enforce least privilege access and data protection
- Configured Prometheus, and **AWS CloudWatch** for monitoring key metrics. Enabled real- time visibility into infrastructure and applications for proactive issue resolution and optimal reliability.
- Hands-on experience with containerization technologies such as Amazon ECS (Elastic Container Service) and Amazon EKS (**Elastic Kubernetes Service**), including **Docker** for container deployment and orchestration.
- We have integrated **Azure RDB** with Azure Monitor to provide monitoring of performance metrics such as CPU usage, storage usage, and query performance.
- With **Azure RDB** we have automatically managing replication across multiple availability zones within a region. If a primary database instance fails, **Azure RDB** quickly fails over to a secondary instance to minimize downtime.
- Designed and optimized **Azure App Services** for scalability and performance, utilizing features such as **auto-scaling**, **load balancing**, and performance monitoring to ensure optimal application performance under varying workloads
- Created Automation tasks using **PowerShell** for system management, software deployment, and configuration changes.
- Created **PowerShell** scripts to query Azure Monitor metrics or Azure Log Analytics for monitoring Azure resources.
- Created **PowerShell** scripts to schedule and manage backups of Azure VMs to Azure Blob Storage.
- Monitored and optimized Azure **IaaS** resources for performance, cost, and security using Azure Monitor, Azure Advisor, and Azure Security Center, identifying and addressing performance bottlenecks, security vulnerabilities, and cost inefficiencies.
- Used **Datadog** Monitoring for High CPU Alerts, Application service pulse and log analytics.
- Implementing Infrastructure with **Terraform Azure**, **Ansible**, and **Helm Chart**.
- Working on implementing Jenkins Groovy pipeline and experience on Dockers, Kubernetes,
- Maven, **Ansible**, GIT, Kafka.
- Created custom dashboards using **Datadog** for logs, enabling quick insights into system health and performance.

Infogain _ DevOps Engineer	Oct 2020 – Aug 2021

- Designed and implemented CI/CD **YAML pipelines** in **Azure DevOps** for automating build, test, and deployment processes for .Net Project.
- Experienced in setting up CI pipelines to automate the build process for **Dynamics CRM solutions**, including compiling customizations, solution packaging, and performing automated testing to ensure code quality and compatibility.
- Manage risks and resolve issues that affect release scope, schedule, and quality Deployment

- Experienced in integrating **ADO YAML pipelines** with source control systems such as Git, TFS, or Azure Repos, enabling version control, code collaboration, and automated deployment of changes to Dynamics CRM customizations.
- Utilized Azure Artifacts for managing and versioning dependencies, packages, and artifacts within the DevOps lifecycle.
- Integrated automated testing frameworks such as **Selenium** or NUnit into CI/CD pipelines in **YAML** for continuous testing and validation of software changes.
- Worked with Azure Kubernetes and Docker based cluster management environment Kubernetes.
- Experience in implementing Azure security best practices, including encryption at rest and in transit, Azure Key Vault, Azure Security Center, and Azure Policy.

Trianz Holdings _ Senior Systems Engineer	**Dec 2019 _ Oct 2020**

- Managed S1 and S2 issues via group chats and bridge calls, ensuring swift resolution and minimal downtime, meeting SLAs.
- Resolved domain connectivity issues by managing configurations and troubleshooting for seamless device integration, ensuring operational continuity and security.
- Managed Linux administration, including system installation, configuration, troubleshooting, and performance tuning over Ubuntu, CentOS, Red Hat Vm's.
- Implemented **Salt Stack** configurations for **provisioning**, managing, and **automating infrastructure** resources.
- Documented **Salt Stack** configurations, deployment procedures for the project scope.
- Shared knowledge and provide training to team members on using **Salt Stack effectively for IaC.**
- Developed reusable **Salt formulas** and states, version-controlling infrastructure configurations, and integrating with CI/CD pipelines for automated deployment.
- Proficient in **Azure VNet and Subnet configuration**, designing secure network architectures for efficient **traffic routing** and isolation to meet project needs.
- Implemented security best practices and compliance controls **in Azure environments** to protect against security threats and vulnerabilities.
- Installed **Argo CD** on our **Kubernetes** clusters using **Helm charts** manifests and we configure it to integrate with our **Git repository** where application manifests are stored.
- We have integrated **Argo CD** with monitoring tools **Prometheus**, **Grafana** to get visibility into application health and performance.
- Coordinate with multiple teams to ensure builds are delivered and deployed on time.
- Contracted to serve as **the JIRA Systems Administrator** for the international **JIRA**/**Confluence** infrastructure, including all associated programs, plugins and systems.

Mindtree _ Site Reliability Engineer	**Apr 2015 – Aug 2018**

- End to End Infrastructure Monitoring.
- Identify and mitigate the service impacting issues on **MSDN** core components within Defined SLA.
- Created Virtual Machines in Azure cloud.
- Environment baselines for **Virtual Machines** and **Application** Configurations
- **SSL certificates** management.
- **Application Monitoring** and Troubleshooting.
- Troubleshoot and Provide **RCA** for **Major**/**Critical** Incidents/Outages.
- Deploy code changes into Test, UAT and Production environments.

- Applying Redirect rules on legacy sites.
- Experience in **Migration** from **on-prem to Azure cloud.**
- Managing secrets and certs in **Azure key vaults** which are required for configuring websites or applications.
- Create and Configure **Traffic Manager Profiles** to route traffic to **Web App** endpoints based on business requirement.
- Configuration of new alerts in **Azure Resources**.
- Responsible for availability and performance of Microsoft's official websites such as MSDN & TechNet, Docs, Docs Learn and MVP including revenue generating Subscriptions, Visual Studio, Blogs, Wiki, Forums, Social, Search and Profile.
- Hands on SQL related issues.
- Responsible for SQL Server Database Backups, Restorations, Job failures, Cluster Management and High Availability.
- Familiar with Monitoring tools like App Insights, **SCOM**, **OMS** and **MS** Flow.
- Quickly **triage** and fix customer issues.
- Prioritization of issues based on overall **impact** and **immediate** impact.
- Update knowledge base with troubleshooting guides and lessons learned.
- Prepare weekly/monthly reports with alert trend using **Power BI** tool.
- Performance Monitoring and Resource Management of Hosts & VM's.

High Purple Solutions _ Web Engineer – Trainee	**SEP 14 – Feb 15**

- Email Marketing.
- Lead Generation Campaigns.
- SEO Analysis.
- AdWords PPC and Keywords analysis.
- Email Campaigns Via tools like Lead square and Amazon Small email Service.
- Social Media Organizing (SMO).
- Facebook Marketing and Campaigning