**BODIMALLA VENKATA RAMI REDDY Email:** [**venkataramreddy@yahoo.com**](mailto:venkataramreddy@yahoo.com)

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Professional summary

* Total 8.8 Years of extensive experience with public clouds such as Microsoft Azure and Google Cloud Platform in IAAS/PAAS Environments.
* Over 6+ Years of profession l experience in **DevOps** and **Software Configuration Management** which includes Project Setup, Build & Release process setup, Continuous Integration, Source Code Management.
* Manage a team of 3 DevOps engineers responsible for deploying and maintaining a large-scale Azure infrastructure and automating the deployment pipeline.
* Creating and maintaining customized templates to help all the application teams to create Build and release pipelines.
* Develop and maintain infrastructure as code (IaC) using **Terraorm** and **ARM templates** to manage Azure resources, improving system stability and reliability.
* Experience with **CI/CD (Continuous Integration and Continuous Deployment)** methodologies using **Azure DevOps**.
* Setup and Manage **Octopus Deploy** for Release Management, Deployment Automation and DevOps solution.
* Experience on **Sentinel Language** to restrict the Azure resources by custom rules.
* Experience on using Backend remote sources to authenticate tfe modules from **Terraform Enterprise**(HCL)
* Have extensively worked in developing ETL jobs for Data Extraction, Transformations and Loading using **Azure Data Factory version 2.**
* Experienced in loading data from different sources systems into azure cloud data stores, Scheduling and maintaining data factory jobs, relational database as well as flat files source systems and integration of **Azure Data Factory** with GitHub.
* Proficient in using **Azure data lake store** for storing flat files and analytics purpose.
* Implementing the various Activities to do extracted data from desired sources and ingest into destination sink.
* Experience writing **PowerShell** scripts to automate the deployments in Azure DevOps and Deploying into destination servers/applications.
* Experience with handling flat files, uploading to azure data lake store and for getting the statistics.
* Following Agile methodologies and creating Dashboards in Azure DevOps for User Stories and its work items
* Knowledge on **Python**, **DataBricks**, **Spark**, **Scala** and **Hive** concepts.

**Technical Skills**

* **Cloud Platform :** Azure & Google Cloud Platform
* **Operating Systems :** Windows, Linux
* **ETL :** Azure Data Factory
* **Database :** MS SQL Server, Azure SQL Database, Azure SQL Data Warehouse
* **Programming Languages :** MSSQL, T-SQL, PowerShell, Python.
* **Monitoring Tools :** MWatch , ServiceNow.
* **DevOps Tools :** Azure DevOps, SonarQube, Octopus Deploy, GitRepos, Fortify & MS Build.
* **IAAC** : Terraform, JSON
* **Version Control :** GITHub Enterprise, Git Repos
* **Container Orchestration** : Docker , Kubernetes

**Key Projects Undertaken**

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**Client: AvidXchange**

**Company: ValueLabs Solutions**

**Duration: June 2021 to Present**

**Role: Senior Platform Engineer**

**Responsibilities:**

* Identify potential application under Release Management scope to implement New CI-CD setup and initiate application on-boarding to DevOps implementation portfolio.
* Own the Release Management life-cycle which includes scheduling, coordination, deployment, and management of releases for all the Azure DevOps Projects.
* Coordinate with Development Teams, Testing Team, Application Management Team, Change Management team for planning of the releases.
* Lead and coordinate the Go-Live activities including the execution of the deployment Plans and checklists.
* Following CI/CD architecture and Implementation plans by coordinating with Architectures.
* Creating and maintaining customized templates to help all the application teams to create Build and release pipelines.
* Creating and updating the how to document for build and release life cycle and day to day tasks.
* Design and Implement Source Code Management, Continuous Integration, Continuous Delivery, and Continuous Testing pipelines.
* Implement monitoring and alerting using Azure Log analytics and Grafana, reducing time to detect and resolve issues by 50%.
* Implement security best practices, including encryption at rest and in transit, and managing IAM roles and policies.
* Debug and trouble shoot all the build and releases, Deployments, Deployment group , Service Connections, SonarQube, Fortify and Agent Issues.
* Develop automated deployment scripts in different scripting languages.
* Building infrastructure as code using Terraform, to deploy a customized resources in Azure environment.
* Conduct knowledge sharing sessions/workshops to help the project, release management teams adopt CI-CD pipelines
* Integrating Postman, APIM with App services by configuring Application registrations with appropriate API’s
* Setup and Manage Octopus Deploy activities like Libraries, Release creation, Tentacles, Audit, Projects and its processes.
* Migrated the octopus releases and it’s entities into Azure DevOps platforms.
* Containerization, Deployment and troubleshooting for monolithic and microservice-based applications.
* Containerized service deployment using Kubernetes on Azure using Azure DevOps Pipeline.
* Responsible for managing version control tool like Azure GitRepos and enforcing protection rules.
* Key Vault Configuration for storing the certificates, Secrets and integrating with DevOps pipelines.
* Following Agile methodologies and creating Dashboards in Azure DevOps for User Stories and its work items
* Participate in CAB meetings to discuss release scope and/or roadblocks.

**Technical Details:** Microsoft Azure, Terraform, GIT Repos, Azure DevOps, Powershell, Service Now, Postman, Octopus Deploy, SonarQube.

**Client: PWC**

**Company: Infosys Limited**

**Duration: Feb 2019 to June 2021**

**Role: Azure Developer**

**Responsibilities:**

* Building infrastructure as code using Terraform, to deploy a customized resources in Azure environment.
* Experience with CI/CD (Continuous Integration and Continuous Deployment) methodologies using Azure DevOps to automate the deployments.
* Deploying the changes in Service now Application forms through snow API’s.
* Experience on Terraform Enterprise (Hashicorp cloud), where Managing Workspaces, Modules and its configuration settings.
* Working on Sentinel Policies to restrict the infrastructure by writing custom rules.
* Developing the Terraform, PowerShell scripts, YML files and saving into source control.
* Using Version control system GIT to access the repositories and used in cording with CI tools.
* Working on PowerShell scripts for task automation and to schedule tasks.
* Coordinating all build and release activities ensure releases well documented, source control repositories including branching and tagging.
* Developing and maintaining and updating the scripts by raising the Pull Requests.
* Working closely with QA teams, Business teams, and DBA team and service now teams to identify QA and UAT cycle release schedule to Dev, stage and test environments.
* Working on Postman Tool to communicating with SNOW forms via API’s.
* Provisioning the Azure services
* Following Agile Methodologies and creating Dashboards in Azure DevOps for CI/CD Pipelines, User Stories and its work items and bugs.
* Build the infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources using SQL and Azure data services.
* Data was extracted from relational database store using Azure data factory and flat files were generated.
* Generating flat files from Azure Data Factory which Data has extracted from relational database store.
* Flat files are stored in azure data lake store using copy activity with the desired file formats.
* Implemented the Merging logic for handling delta loads.
* Created control tables for recording the statistics of the data loads.
* Power shell scripts were generated for uploading flat files from On- Premises servers into azure data lake store.
* Linked Services, Datasets, Activities and Pipelines were created to process data from source to final targets.
* Automated and scheduled the activities in pipelines which can daily extract, transform, integrate Delta data from various sources and load into respective dimensions and facts.
* Knowledge on Azure Data bricks, Spark Cluster, Scala and Hive concepts.

**Technical Details:** Microsoft Azure, Terraform, GITHub Enterprise, Azure DevOps, Powershell, Service Now, Postman, Azure Data Factory, Azure data lake store, Azure Database and MSSQL.

**Client: FORD**

**Company: Mindtree Limited**

**Duration: July 2017 to Feb 2019**

**Role: Cloud Platform Engineer**

**Responsibilities:**

* Worked in implementing the DevOps in source code management, Build automation, Continuous integration and continuous deployment and environment management.
* Planning and prototyping the migration of client infrastructure from on-prem hardware to Azure.
* Building infrastructure as code using Terraform, to deploy a customized resources in Azure environment.
* Implementing tooling to integrate the new infrastructure into the existing CI/CD systems.
* Develop Terraform scripts and sync with Version control.
* Implementing and building the CI/CD pipeline to automate the schedule jobs in Azure DevOps.
* Involved in creating the company's DevOps strategy in a mix environment of Linux and Windows servers along with creating and implementing a cloud strategy based on Mircosoft Azure.
* Install and Manage Visual Studio Code extensions for code modify and Sync with Github.
* Worked on Branching and Merging, Resolving Branching Strategy maintaining Branching strategy using GITHub.
* Implemented a GIT for SVN repository, which enables clients to utilize GIT and Implemented Continuous Integration using Azure DevOps and GIT.
* Configuring the Docker containers and creating Docker files for different environments.

**Technical Details:** Microsoft Azure/Google Cloud, Terraform, GITHub, Azure DevOps, Azure Database, and Azure SQL server, GITHub Enterprise

**Client: Ford, Macarthur & Infrahedge**

**Company: Mindtree Limited**

**Duration: Nov 2014 to June 2017**

**Role: Engineer**

**Responsibilities:**

* Worked on public clouds such as Microsoft Azure and Google Compute Engine in IAAS/PAAS Environments.
* Worked on configuration issues related to Azure Virtual Machines, Storage and Web Apps.
* Assist with configuration of network infrastructure within Azure including, load balancing, NSG, Azure Backup, disaster recovery, monitoring, Storage and security and various other cloud based technologies.
* Experience on Azure ARM templates and Azure Automation.
* Configuring Azure Backup for On-Premise Server and Azure Virtual machine.
* Build the infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources using SQL and Azure data services.
* Configuring Availability set, endpoints and Load Balancing set as per the project requirement.
* Worked knowledge on Migrations from On-premises to Azure/Classic to ARM.
* Strong knowledge of other Azure Services, monitoring, patching, antivirus, log monitoring and alerting.
* Experience on of High Availability HA and Disaster Recovery DR Options available in Microsoft Azure.
* Configuring Container services and micro services in the test environment.
* Troubleshoot issues related to VM’s using reimaging, migrating and other investigations.
* Handling issues related to fabric controller.
* Good Knowledge on Azure Active Directory.
* Good knowledge on Visual Studio Team Services - Build and Release Management.
* Basic knowledge on DevOps tools like Azure Devops for CI/CD.
* Good knowledge and hands-on experience on Azure PowerShell.
* Worked experience on Capacity reports (Optimization) to scale the resources and take action for same.
* Work closely with Azure Component teams on identifying the root cause of the issue and preparing respective RCA’s.
* Training new joiners in the team with consistent improvement of the Training Methodology for quicker ramp up process.
* Doing incident volume analysis and reporting of SLAs and Metrics to client.
* Update knowledge base with troubleshooting guides and lessons learned.
* Drive technical and procedural improvement across support.

**Technical Details:** Microsoft Azure/Google Cloud, Powershell, SQL server, AAD, Virtualization.

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