

Revanth Kumar Manepally
Azure Data Engineer
Gmail:revanthm222@gmail.com | Contact No: 4699569496

PROFESSIONAL SUMMARY

- IT Professional with 7 years of IT Experience and ability to accomplish all aspects of the software configuration management (SCM) process, systems deployment engineering (SDE), Azure, AWS, GCP and DevOps in CI/CD pipeline, Build/Release management.
- Expertise in DevOps, Configuration Management, Cloud Infrastructure, End-to End Automation which includes Azure, Amazon Web Services, Jenkins, Maven, GitHub, Ant, SonarQube, Ansible, Chef, Tomcat, JBoss, and Linux.
- Highly experienced **Azure IAM and DevOps Engineer** in Automating, configuring, and deploying instances on **Microsoft AZURE** environments.
- Excellent knowledge in Azure compute services, Azure Web apps, Azure Data Factory & Storage, Azure Media & Content delivery, Azure Networking, Azure Hybrid Integration, and Azure Identity & Access Management.
- Experience of working with Terraform, PowerShell scripting, Active Directory & Domain Controller and maintaining Azure Security Center, Backup and Site Recovery (Operations Management Suite (OMS)).
- Worked with databases like Azure CosmosDB, Managed instance(MI), Azure paas SQL database and SQL on VM.
- Have good understanding about Azure Site Recovery, DR enablement using site recovery and vm backup using Recovery services vault.
- Highly experienced Azure IAM and DevOps Engineer in Automating, configuring, and deploying instances on Microsoft Azure environments.
- Hands on experience with administrating tools like Jenkins, Bamboo for Continuous Integration (CI) and end-to-end automation for all builds and deployments.
- Strong knowledge on **Virtualization, Cloud Computing** and **Web services**.
- Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes.
- Design, build and manage the ELK (Elasticsearch, Logstash, and Kibana) cluster for centralized logging and search functionalities for the App.
- Extensive experience in setting up the CI/CD pipelines using **Jenkins, Maven, Nexus, GitHub, CHEF, Terraform and AWS**.
- Deployed and configured Elastic search **ELK, Logstash and Kibana (ELK) for log analytics**, full text search, application monitoring in integration with **AWS Lambda and Cloud Watch**.
- Experience with built Elastic search, Log stash and **Kibana (ELK)** for centralized logging and then store logs and metrics into S3 bucket using Lambda function for more than 2 weeks.
- Designed, configured and deployed **Amazon Web Services (AWS)** for a multitude of applications using the AWS stack (**EC2, Route53, S3, RDS, Cloud Formation, Cloud Watch, API, SQS, IAM**), focusing on high-availability, fault tolerance, and auto-scaling.
- Experience in **Linux Virtualization** implementations such as **VMware**.
- Experience with Kubernetes to manage the containerized applications, creating and deploying application containers. Deploying and maintaining Micro services using Docker.
- Provided security and managed user access and quota using **AWS Identity and Access Management (IAM)**, including creating new Policies for user management.
- Worked on Installing **KVM (Kernel Virtual Machine)**, configuring **KVM Virtual Network**, and creating **KVM Networked Bridge Interface**, creating **KVM Virtual Machines**.
- Assisting project manager in defining detailed specifications for specific functionality requirements as well as analyzing, designing, and encoding new systems using C# language
- Experience working on various cloud platforms like **AWS, Rackspace, AZURE**.

- Worked on installation and configuration of **DevOps tool Puppet**.
- Collaborate in the automation of AWS infrastructure via **Terraform** and **Jenkins** - software and services configuration via **chef cookbooks**.

Technical skills:

Clouds	Azure, AWS, GCP, OpenStack, PCF
CM Tools	Chef, Puppet, Ansible
CI/CD and Build Tools	Jenkins, Nexus, Azure DevOps), Concourse CI, Hudson, Bamboo, Octopus, Artifactory, u Build/uRelease/uDeploy, ANT, Maven, Gradle
Container Tools	Docker, Kubernetes, OpenShift
Version Control Tools	SVN, Git, Bitbucket, TFS, VSS, CVS
Monitoring Tools	Nagios, New Relic, Splunk, ELK, App Dynamics, Dynatrace
Operating Systems	Windows Server, RedHat, Ubuntu, CentOS, Debian, Solaris, SuSe, Mac.
Languages/scripting	Shell Scripting, Core Java, Python, JSON, YAML, Java Script, HTML, CSS3, Spring Boot, Groovy, Bash, Perl, Ruby, JQuery,
Web/Application servers	Apache HTTP, Tomcat, Nginx, JBoss, Oracle/BEA Web Logic, IBM Web Sphere, Web Services
Databases	Oracle, DB2, MySQL, MySQL Server 2008, Dynamo DB, MongoDB, Cassandra
Virtualization Tools	Oracle Virtual Box, VMWare, vSphere, ESXi, vCenter, Vagrant
Bug Tracking and Ticketing tool	JIRA, RALLY

Education:

Certifications:

Azure administration (AZ-104)

Azure Designing and Implementing MS Dev Ops Solution – (AZ 400]

PROFESSIONAL EXPERIENCE:

Molina Healthcare, Los Angeles, CA

June 2022 – till date

Role: Azure Cloud Engineer

Responsibilities:

Strong experience with full lifecycle Infrastructure as Code (IaC) and Configuration as Code (CaC) in building enterprise cloud solutions.

- Configured, Deployed, and managed Microsoft Identity and Access Management (IAM) products (Active Directory, Active Directory Federation Services, and Azure AD Connect) and Azure Resources.
- Configured and Managed User Risk Management using Azure AD Identity Protection, conditional access Policy and Privilege Identity Management (PIM).
- Managed Identity Access management (IAM) of Azure Subscriptions, Azure AD, Azure AD Application Proxy, Azure AD Pass through Authentication.
- Troubleshooted Issues with Azure Active Directory (Azure AD) business-to-business (B2B) collaboration and Azure Active

- Directory B2C, which provides business-to-customer identity as a service. Migrating an On-premises virtual machine to Azure Resource Manager Subscription with Azure Site Recovery.
- Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure, NoSQL, Storage, Network services, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
- Good knowledge of Operation Management Technologies - Log Aggregation, Server Monitoring, Process Monitoring, Application Monitoring - Splunk, Nagios, NewRelic, Logstash, Kibana.
- Worked on Configuration of Internal load balancer, load balanced sets and Azure Traffic manager.
- Involved in developing the Azure Solution and Services like IaaS and PaaS.
- Deployed Azure resource manager-based resources.
- Working experience with TFS/VSTS, Jenkins, Git, Jira, Ansible, Docker, ELK, Nexus, Sonar Qube, Ansible.
- Web Services experience with Apache, Nginx, and RESTful APIs
- Implemented Active Directory in Windows server 2012.
- Identifying opportunities to improve infrastructure that effectively and efficiently utilizes Office 365 and the Microsoft Azure Windows server 2008/2012/R2, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
- Skilled in coordination with Service Release (DevOps team) and Virtualization specialists (Git, Jenkins, Atlassian stack)
- Hand on experience in automating infrastructure for Kubernetes deployments.
- Experienced with Octopus Deploy in deploying containerized applications to production.
- **Extensive experience with automating systems and environment deployments using Ansible on Azure.**
- **Experience creating automation workflows with Jenkins 5-10 years of experience managing resources, cost, project delivery, risk, senior stakeholders.**
- **Experienced in setting up & delivering the Command center operations (Operational Dashboards, Monitoring, Alerting, reporting).**

Environment:

Jenkins, Git, Linux, Kubernetes, ANT, Bamboo, Artifactory, Maven, JIRA, Ansible, Chef, Bash, SNS, SQS, CloudWatch, SonarQube, Microsoft Azure Cloud.

Envision Physician Services, Plantation, FL

Jan 2022 – May 2022

Role: Cloud Engineer

Description: Implemented CI/CD pipeline for multiple applications across organization like CORE, Market Intelligence, Datahub, FIRMETL. Played a major role to automate Application & Infrastructure and achieved Continuous Delivery for faster, Zero Downtime Production Releases.

Responsibilities:

- Configured **Auto Scaling Groups (ASG) using Launch Configurations** in customized VPC, based on **elastic load balancer (ELB)** traffic and using ELB health check in order to trigger **auto scaling actions**.
- Written **Terraform and PowerShell Scripts to provision Infrastructure as Code (IAC)**
- Provided systems support by participating in rotational on-call support as well as performing recovery, maintenance and upgrades during evening hours and weekend.
- Contributed to the development and maintenance of automation tools used in the management of our infrastructure.
- Deployed and monitored Amazon Web Service resources like EC2, VPC, ELB, S3, RDS using Boto3, Terraform and Ansible
- Created and maintained continuous integration (CI) using tools Jenkins/Bamboo over different environments to facilitate an agile development process which is end-to-end automated, enabling teams to safely build and deploy code continuously.

- Launched EC2 instances and involved in AWS RDS, S3, Elastic Beanstalk Load Balancing, IAM, VPC, Cloud Formation, Lambda, and Cloud Watch.
- Written Cloud Formation Templates/Terraform Scripts to launch the different AWS resources like EC2, Application Server configurations, also integrated Terraform, Ansible with Jenkins for implementing Infrastructure as Code (IAC)
- Managed AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for infrastructure servers using GIT and Ansible.
- Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Amazon EC2, Ansible and Bash scripts**.
- Coordinated changes with application owners to ensure minimal user impact.
- Acted as Release Manager on several projects utilizing various build and release tools like Jenkins, Bamboo, Chef, Ansible.
- Developed shell and python scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
- Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Amazon EC2, Ansible and Bash scripts**.
- Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in **Cloud Formation JSON templates**.
- Installed and configured **GIT** to implement branching strategy which is suitable for agile development also provided continuous support and maintenance of software builds.
- Building/Maintaining **Docker container clusters** managed by **Kubernetes** Linux, GIT, Docker on AWS.
- Built Jenkins jobs to create AWS infrastructure from Gitlab/GitHub repos containing **Terraform scripts**.
- Used **MAVEN, ANT and Gradle** as a build tool on java projects for the development of build artifacts on the source code.
- Performed Static Code analysis using **SonarQube** as Code analysis tool.

Environment:

Jenkins, Git, Linux, Kubernetes, ANT, Bamboo, Artifactory, Maven, Nexus, JIRA, Ansible, Chef, Bash, AWS -EC2, S3, VPC, Lambda, SNS, SQS, CloudWatch, SonarQube, Veracode

Cantor Fitzgerald, New York, NY

May 2020 – July 2021

Role: Azure Engineer

Responsibilities:

- Worked on **Continuous Integration and Continuous Delivery** in **Microsoft azure DevOps**.
- Worked on Build and Implementation of release pipelines, for deployment of application into **Azure Kubernetes Service**.
- Worked on configuring the **infrastructure** for the application environment in azure.
- Worked on **Azure container registry** for storing the **docker images** for the application build.
- Configured the **Azure AppInsights** for Monitoring and troubleshooting azure resources.
- Managed, configured **Azure Web Jobs** to run continues and scheduled tasks and wrote **ARM templates** to deploy **Azure Services**.
- Implemented Azure App Service Environment and configure **DNS** and Application Gateway to restrict applications and APIs to be accessible only from intranet
- Worked with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation.
- POC and create multiple **Terraform** modules to manage configurations, applications, and automate installation process on Azure.
- Maintain services by measuring and **monitoring availability, latency and overall system health**.
- Scale systems sustainably through mechanisms like **automation** and evolve systems by pushing for changes that improve reliability and velocity.
- Maintained **ELK (Elastic Search, Log stash, Kibana) Stack** for Searching, routing and visualizing Logged Data.

- Migrated the current Linux environment to **AWS/RHEL Linux environment** and used auto scaling feature and Involved in Remediation and **patching of Unix/Linux Servers**
- Experience with system analysis, **troubleshooting** and **performance tuning** of operating systems.
- Created and wrote shell scripts (Bash), Ruby, Perl, Python and Power shell, JavaScript and XML for automating tasks.
- Run a single command on the nodes to provision the infrastructure of the organization using **Terraform**
- Experienced in working with the **power shell** scripts for resources and data migrations.
- Written runbooks in PowerShell and deployed using **CICD Az DevOps to Automation Accounts**. Release pipelines use **Azure AD Application Registration service principal** in the Azure DevOps **service connections** for authentication to Azure. Runbook uses **connections** for Authentication.
- Written Automation scripts in PowerShell, which make API calls to Azure DevOps and find users who have not accessed Azure DevOps for more than 90 days (Cost Optimization Project).
- Implementing **Azure Custom Policies**. These policies allow customers to define their own rules for using Azure.
- **Handling escalated support tickets** till closure for MS Azure IaaS platform

Environment:

Azure, Jenkins, Git, Linux, Kubernetes, ANT, Terraform, Maven, Nexus, JIRA, Ansible, Chef, Bash, AWS -EC2, S3, VPC, Elk, Lambda, SNS, SQS, CloudWatch, SonarQube, Veracode

Intense Technologies Pvt Ltd, Hyderabad

June 2018 – April 2020

Role: Data Engineer

Responsibilities:

- Implemented **CI/CD process for WebApp project** which was non-DevOps process earlier.
- Written **Groovy scripts on Jenkins** for different stages like Gitlab checkout, build, unit-test, deploy for **Angular JS 6 and Dotnet core 2.0** applications.
- Created **VPC's in regions North Virginia and Mumbai** and established a communication channel using **VPC peering** to allow resources to interact with each other.
- Automated the cloud deployments using **Ansible** and **AWS Cloud Formation Templates**.
- Setting up with **Jenkins** automation creating **docker** containers and building **Docker** images and pushed those images to **Docker registry**.
- Using **bash and Python**, included **Boto3** to supplement automation provided by **Ansible** for tasks such as encrypting EBS volumes backing AMIs and scheduling **Lambda functions** for routine AWS tasks.
- Created playbooks in **Ansible** to manage configurations and deployments to remote machines. Written playbooks in **Ansible** for various **DB configurations** to modularize and optimize end product configuration.
- Implemented **Immutable Infrastructure** concept not to touch existing infra concept, So that the new deployment triggers Auto Scaling Group and creates Infrastructure (EC2 and S/W Stack).
- With the Created **CI/CD pipeline** the team was able to **do easy Deployments in Production Environment** including **Infrastructure**.
- Designed and worked with team to implement **ELK** to provide end-end search for visualization to investigate log files.
- Transformed the SDLC process from **Non-DevOps to end-to-end DevOps Automation** which includes build, test, deploy, IAC, Application Monitoring.
- Experience in Terraform with **AWS** writing **Terraform scripts** to deploy AWS infrastructure & replace automation tool like ansible with terraform.
- Created alarms in **Cloud Watch** service for monitoring the server's performance, CPU, disk usage.
- Experience installing and administrating various **Red hat Linux Distributions** with use of Kickstart in order to monitor, scale, maintain and plan capacity of Servers.
- Involved in **Jira** as defect tracking system and configure various workflows, customizations and plug-ins for Jira bug/issue tracker.

Environment:

Jenkins, Docker, Ansible, Python, AWS, S3, Autoscaling, Lambda, EBS, RDS, Maven, Bitbucket, Elk, Apache Tomcat, Terraform, Kubernetes, Mesos, Shell, Groovy, Perl, Nexus, AWS, EC2, PCF, Jira.

ProBPM Inc

May 2016 – May 2018

Role: DevOps Consultant

Responsibilities:

- Worked on **migration** from physical to virtual (P2V) environment for **Red Hat Linux**.
- Installed and configured **Apache Webserver** in a **LAMP stack**.
- Implemented **Puppet** for Package and configuration management.
- Configured and used automation tools like **PUPPET** to push updates like **sudo, ssh, Sendmail and patches**.
- Automated routine tasks using scripting languages like **Ruby and Python**
- Monitoring and service issue resolution of **LAMP stack web servers**, both shared and VPS.
- Assembled **Puppet Master, Agent**, and Database servers on multiple **Red Hat Enterprise Linux** Platforms.
- Created profiles in **Puppet** and pushed them across all the servers in **UNIX and Linux environment**.
- Used **Puppet Master** to keep in sync configuration on hosts running agents.
- Change root password on all servers from centralized **Puppet master server**.
- Managed user/group and **sudo access on the Linux operating system**.
- Setup static IP address for server when there is a new server build.
- Troubleshoot network issue from the OS standpoint using netstat, ping, traceroute, and tcpdump commands.

Environment: Red Hat Linux, LAMP, Puppet, Ruby, Python, AWS, VPN, MySQL, Apache WebSphere, Puppet Master, UNIX, LINUX

Education:

- Master's in Computer Science, University Of Central Missouri (Missouri)
- Bachelor's in Computer Science, Jawaharlal Nehru Technological University, Hyderabad