MANEESH VEMULAPALLI

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PROFESSIONAL SUMMARY:

- Overall **6+ years** of IT experience as **DevOps Engineer** in the areas of **Cloud Engineer**, **System Administration, Data Center Operations, Software Configuration Management, Build and Release Management** and **Linux Administration** and Software Development Life Cycle **(SDLC)** including requirements analysis, design specification, coding, and testing of enterprise applications.
- Experience in using **Continuous Integration** and **Continuous Deployment (CI/CD)** methodologies using **Bitbucket, Jenkins, UDeploy,** and Configuration Management tools such as **Ansible**, **Docker** and **Kubernetes** for environment independence.
- Experience in Configuring and Deploying infrastructure and applications into cloud using AWS resources such as **EC2 instances, S3, RDS, EBS, VPC, SNS, IAM policies, Route 53, Autoscaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups** focusing on fault tolerance and high availability.
- Exceptional knowledge on **Azure Development, Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Azure search,** and **notification hub.**
- Expertise in **DevOps** on **AWS platform** which includes technologies and platform like **UNIX/Linux**, **Java**, **Jenkins**, **Maven**, **GitHub**, **Chef**, **Ansible**, **Subversion**, **VMware**, **Puppet**, **SVN**, **GitHub**, **Vagrant**, **Tomcat**, **JBoss** etc.
- Good at Manage hosting plans for Azure Infrastructure, implementing & deploying workloads on Azure virtual machines (VMs).
- Experience in **bash** and **python** scripting with focus on **DevOps tools**, **CI/CD** and **AWS architecture**.
- Experience with **Docker container** configuration, **Docker Engine**, **HUB**, Machine, Compose and **Docker registry** and activation, handling live **webhosting** & **troubleshooting**.
- Expertise in using **build tools** like **Maven** for the building of deployable artifacts such as **ear, war & jar** from **source code.**
- Experience in working with different build automation tools like **JFrog Artifactory** and **Maven** to achieve End-to-End Automation.
- Working with Azure SQL Databases for Excel and **Power BI** Reporting Tools.
- Exceptional knowledge of **AWS** services.
- Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
- Experienced in maintaining Docker containers with **Kubernetes** to automate the Docker container maintenance by using it and worked on with **REST API**.
- Basic knowledge on **Bash** and **Powershell** scripts to automate the deployment process.
- Strong Experience worked with Jenkins for enterprise scale infrastructure configuration and application deployments, checking out code from **GIT** and used **Maven** to build war/jar artifacts.
- Experience in branching, tagging, resolving conflicts, and maintaining the version across the environments using **GIT** and **Subversion (SVN).**
- Worked with different **Bug Tracking** and **Ticketing** Tools like **JIRA**, **Bitbucket** and **ServiceNow.**
- Experience with **Kick Start** Server and **JumpStart** Server to install Operating systems across multiple machines at a time.
- In depth knowledge of cloud computing strategies (IaaS, PaaS, and SaaS) &building, deploying in and maintaining cloud environment.
- Good at Manage hosting plans for Azure Infrastructure, implementing & deploying workloads on Azure virtual machines (VMs).
- Experience in all phases of **Software Development Life Cycle (SDLC)**, especially in Analysis, Design, Development, Testing and Deploying of applications.
- Experience in developing applications using Waterfall, Agile methodologies with Test Driven Development (TDD) and SCRUM.

TECHNICAL SKILLS:

Cloud Platforms	Amazon Web Services, Microsoft Azure
Framework/ DevOps tools	TeamCity, Jenkins, UDeploy, JFrog Artifactory, SonarQube, Maven, Confluence, JIRA, CA Agile Rally
SCMs	BitBucket, SVN, Git, GitHub, ServiceNow
Configuration/Monitoring	Ansible, Terraform, and Splunk
Containerization Tools	Docker and Kubernetes
Databases	Oracle, SQL Server, MYSQL, PostgreSQL
Application/Web Servers	Tomcat, WebLogic, Apache, Nginx, IBM Cognos
Operating System	Red Hat Linux, Ubuntu, Windows
Front-end Technologies	Html, CSS, JavaScript, Angular JS
Programming Languages	Python, Java, C, C++, .NET, Bash, Powershell

PROFESSIONAL EXPERIENCE:

HP Infosystem LLC, Toronto, ON **May 2017 – Present**
Horizon BCBSNJ, Newark, NJ (HP Infosystem LLC) **June 2021 – Present**
Cloud DevOps Engineer
Responsibilities:

- Setup and build **AWS infrastructure** using resources **EC2**, **S3**, **RDS**, **Dynamo DB**, **IAM**, **EBS**, **VPC**, **Route53**, **SNS**, **SES**, **SQS**, **Cloud Watch**, **KMS**, **Cloud Trail**, **Security Group**, **Auto Scaling**, and **RDS** using **Terraform** templates and supported **50+ AWS Cloud instances** and familiar with Amazon Cloud command line management.
- Configured **Auto scaling**, **Route 53**, Custom **cloud watch metrics** for various **j2ee** applications and Configured Security Model in AWS **IAM**, to **authenticate** users and application in AWS environment.
- Managed **storage** in AWS using **Elastic Block Storage**, **S3**, created **Volumes** and configured **Snapshots**.
- Integrated Amazon **CloudWatch** with **Auto scaling** launch configurations for monitoring the log files, store them and **track metrics.**
- Used **IAM** for creating **Security Groups** (configuring **Inbound** /**Outbound** rules), users, groups, roles, policies, creating and importing **Key Pairs**.
- Used **CloudFront** to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
- Worked on **Terraform** for automating VPCs, **ELBs**, security groups, **SQS queues**, S3 buckets, and continuing to replace the rest of our infrastructure. Using **Terraform** as a tool, Managed different infrastructure resources Cloud, **VMware**, **Bare Metal Servers**, and **Docker containers**.
- Changed the existing **Terraform templates** to **Cloud Formation Templates** for use in AWS environment.
- Automated cloud deployments using **python** and AWS Cloud Formation Templates.
- Created **Terraform Templates** and modules to automate system operations. Created **monitors**, **alarms,** and **notifications** for EC2 hosts using **Cloud Watch**.

- Experience in using tools like **Docker Compose**, **Kubernetes**, etc. for orchestrating and deploying the services related to the containers. Experience with container-based deployments using Docker, working with **Docker images, Docker hub**.
- Worked with **Kubernetes** as it usually works with the Docker container tool and coordinates between wide clusters of **hosts running Docker**.
- Implemented a Continuous Delivery framework using **Jenkins** and **Maven** in Linux environment. Using Jenkins in **AWS Code Deploy** plugin to deploy to AWS.
- Used **Jenkins pipelines** to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes**, Created Pods and managed using Kubernetes Worked in all areas of Jenkins setting up CI for new branches, **build automation, plugin management** and securing Jenkins and setting up **master/slave configurations**.
- Deployed and configured **Git repositories** with **branching**, **tagging**, and **notifications**. Experienced and proficient in deploying and **administering GitHub**.
- Worked with **Red Hat OpenShift Container Platform** for **Docker** and **Kubernetes**. Used Kubernetes to manage containerized applications using its **nodes**, **Config Maps**, **selector**, **Services,** and deployed application containers as **Pods**.
- Created automation and deployment templates for relational and **NoSQL databases** including **MySQL** and AWS.

Environment: AWS, S3, EBS, ELB, Auto Scaling, VPC, IAM, Cloud Watch, Dynamo DB, Ops Works, Ansible, Chef, Docker, Kubernetes, CI/CD, Jenkins, Maven, Shell Scripts, Apache Tomcat6.x/7.x, RHEL, UNIX/Linux, VMware Server, and Workstation.

Meraki R.C.M Solutions, Los Angeles, CA (HP Infosystem LLC) **Jan 2020– June 2021**
Cloud DevOps Engineer
Responsibilities:

- Expertise in Architecting and Implementing Azure Service Offering, such as **Azure cloud services, Azure Resource Manager (ARM), Azure storage, Azure Active Directory (AD), Azure VMs, Azure SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor,** and **Azure Service Bus**.
- Created **AKS** cluster with advanced networking where It makes Pods first class citizens in our network with **Azure CNI**, Every Pod will get an Ip address from the Virtual Network.
- Created external and internal ASE in azure which is a deployment of Azure App Service into a subnet in an Azure virtual network (VNet).
- Implemented a CI/CD pipeline with **Docker, Jenkins, GitHub,** and **Azure Container Service.**
- Used Azure artifacts for storing the build artifacts where versioning is solid and accurate, also used **JFROG** Artifactory for storing Docker images.
- Deployed build artifacts automatically from JFROG using Terraform scripts to deploy to ECS clusters.
- Exceptional knowledge of Azure compute services, Azure Web apps, Data Factory & Blob Storage, Azure Networking, and Identity & Access Management, Azure AD, Multi-Factor Authentications. Expertise in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual Machines, Fabric controller, Azure AD, Azure search, and Notification hub.
- Added Azure CDN to an Azure App Service web app and Accessed storage blobs using an Azure CDN custom domain over HTTPS.
- Developed CI/ CD - Building Docker container for **Java, Spring Boot** and **Node.js** applications.
- Used Maven as a build tool on Java projects for the development of build artifacts on the source code.
- Used Ansible to Remediate faster-automating actions like blacklisting attacking IP addresses or domains, whitelisting non-threatening traffic, or isolating suspicious workloads for further investigation.
- Integrated Ansible Tower to our environment, non-administrative users can safely request and manage virtual resources using the Playbooks we provide them all without needing access to sensitive credentials.

Environment: Azure CI/CD, Azure artifacts, Terraform, AKS, Ansible, Docker, Git, Jenkins, CI/CD, Azure DevOps, Key vault, AAD groups, Log analytics, Azure Monitor, ACS, Kubernetes, Docker Compose, Docker Swarm, Ansible Tower, Java, Splunk.

Prime Healthcare Services, Ontario, CA (HP Infosystem LLC) **May 2017 – Jan 2020**
DevOps Engineer
Responsibilities:

- Worked on interconnectivity **cloud-based** identity management and user authentication, service interruptions with Virtual Machines (their host nodes) and associated virtual storage (Blobs, Tables, Queues).
- Develop CI/CD system with Jenkins on Google Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
- Managed Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
- Hands-on experience with Amazon Web services (AWS) and implemented solutions using EC2, S3, and **RDS** in cloud formation **JSON** templates, **EBS**, Elastic Load Balancer, Auto Scaling Groups, Auto scaling Launch Configuration and Auto scaling Lifecycle Hooks and also worked other services like IAM, VPC, Cloud watch and CloudFront.
- Create, develop, and test environments of different applications by provisioning **Kubernetes clusters on AWS** using **Docker, Ansible, and Terraform**. Created Jenkins pipeline for deployment using Ansible.
- Involved in source control management with GitHub and GitLab Enterprise level repositories. Regular activities include configuring user's access levels, monitor logs, identifying merge conflicts and managing master repository.
- Configured and maintained Jenkins to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds.
- CI/CD Automation with **Docker file, Jenkins pipeline as code**, Docker images, containers to OpenShift environment and application log forwarding to **Splunk** monitoring tool.
- Used Docker swarm to orchestrate the containerized environment.
- Orchestrating production container application using Kubernetes for auto scaling of applications using Deployments, creating replica set, and using persistence volume to store application data, use readiness and liveness probe for container health check.
- Creating RBAC for restricting access, using resources quota to restrict access on resources.
- Configured AWS Cloud Watch for application log monitoring.
- Automated AWS components like **EC2 instances, Security groups, ELB, RDS, IAM through AWS Cloud Information Templates.**
- Experience in creating alarms and notifications for EC2 instances using cloud watch.
- Created Jenkins pipeline using groovy to automate builds, doing build promotion on successful builds of previous builds.
- Created **AWS Route53** to route traffic between different regions.
- Used Kubernetes to manage containerized applications using its nodes, Config Maps, selector, Services, and deployed application containers as Pods.
- Involved in unit testing. Used **HTML, CSS, and JavaScript** along with Angular.JS to describe webpages.
- Responsible for full development life cycle, including design, coding, testing and deployment.

Environment: Java, Jenkins, Maven, Nagios, SQL, Ansible, AWS, Nagios, IBM WebSphere, Python, Docker, Git, JIRA, XML, Linux.

EDUCATION:

Bachelor of Technology in Computer Science and Engineering from JNTUK.