Manisha

<u>PROFESSIONAL SUMMARY:</u>

- Around 5 years of experience in IT Industry as a DevOps engineer specialized in the areas of automating, building, deploying, managing and releasing of code from one environment to other environment tightly maintaining Continuous Integration, Continuous Delivery and Continuous Deployment in multiple environments like (**DEVEL/TEST/STAGE & PROD**).
- **AWS Certified Solution Architect – Associate**.
- Specialized in System Administration, Network Administration and Application Support working on **Linux** (Red Hat, CentOS, Ubuntu, Fedora, Debian), **Windows (**XP, Vista, 7, 8, 10) and **MacOS.**
- Expertise in writing **Bash Scripts, Python programming** for deployment of applications on bare servers or Middleware tools.
- Good understanding of **Agile** and **Waterfall** methodologies.
- Managed Amazon Web Services like **EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM** through AWS Console and **API Integration with Ansible Playbooks**.
- Worked as **Cloud Administrator** on **Microsoft Azure Environments**, involved in **Azure ADConnect Configuring Virtual Machines, Storage Accounts and Azure resource groups.**
- Experience in working on source control tools like **Bitbucket** and **GIT**.
- Virtualized the servers using **Docker** for the test environments and dev environments needs, also Configuration Automation using **Docker** containers
- Proficient in writing **Helm Charts**, **Kubernetes** yaml files for deployment of microservices into **Kubernetes Clusters**.
- Deployed **Kubernetes Clusters** on Cloud/On-premises Environments with master/slave architecture and wrote many yaml files to create services like **pods, deployments, statefulsets, daemonsets.**
- Proficient with container systems like Docker and container orchestration like **EC2 Container Service, Kubernetes and terraform.**
- Experience on configuring, automating and deploying **Ansible** for configuration management to existing infrastructure.

- Experience in deploying **Docker images** to **Production servers** using **Ansible.**
- Experience in integrating Unit Tests and Code Quality Analysis Tool **SonarQube.**
- Day to day job included but not limited to **handling Tickets, Monitoring, Troubleshooting and maintenance.**
- Installation, Configuration and Management of **MySQL**, **MongoDB, MariaDB** and **PostgreSQL** servers.
- Installed, Configured, Managed Monitoring Tools such as **Nagios,Dynatrace, AppDynamics** for **Resource Monitoring/Network Monitoring/Log Trace Monitoring**.
- Exposed to all aspects of software development life cycle (**SDLC**) such as Analysis, Planning, Developing, Testing, and Implementing and Post-production analysis of the projects.
- Strong ability to troubleshoot any issues generated while building, deploying and in **Production environment.**

Education:

Bachelor's in computer science -
Jawaharlal Nehru Technological University, Hyderabad, India.
GPA – 9.3

Certifications:

AWS Certified Solution Architect – associate.

TECHNCAL SKILLS:

Operating Systems	Linux based distributions like CentOS, Fedora, SUSE, Ubuntu, Debian, and Windows
Version Control Tools	GitHub, Bitbucket.
Web/Application Servers	Web Logic, Apache Tomcat, Web Sphere and JBOSS
Automation Tools	Jenkins
Build Tools	Maven, Ant, Gradle
Configuration Tools	Ansible
Databases	PostgreSQL, MongoDB, MySQL, MariaDB
Bug Tracking Tools	JIRA, Servicenow
Scripting	Shell, Powershell and Python
Containerization Tools	Docker, Docker Swarm, Kubernetes
Monitoring Tools	Nagios, Cloud watch, Dynatrace
Languages	C/C++, Java, Python and PL/SQL

Virtusa Corporation   **May 2019 to July 2022**
DevOps Engineer
Responsibilities:
- Worked in Agile environment.
- Worked on **Branching**, **Tagging** and maintaining the version for **Software Configuration Management** tools like**GitHub**.
- Handled integration of **Maven**, **Jenkins**, **GIT**, **Confluence** and **Jira**.
- Used **Maven** as build tool on java projects for development of build artifacts on source code and extension of existing **maven scripts** for deployment of applications to **Jenkins.**
- Worked on configuring and maintaining **SonarQube** code quality control tool.
- Implemented a **Continuous Delivery** framework using **Jenkins**, **Ansible**, **Maven** and **Nexus** in Linux environment.

- Responsible for build and deployment automation using**Jenkins** and other orchestration tools like **Kubernetes, Docker Swarm**.
- Implemented build stage- to build the microservice and push the **Docker Container Image** to **Private Docker Registry**
- Used all **Jenkins pipelines** to drive all microservices out to the **Docker Registry** and then deployed to **Kubernetes**, Created **pod**s and managed.
- Worked on **Kubernetes** to orchestrate the deployment, scaling and management of Docker tools.
- Managed Kubernetes Charts using helm and releases of helm packages.
- Used **Ansible playbooks** and **Modules** to setup Continuous Delivery pipeline. This primarily consists of a **Jenkins** and **Sonar** server, the infrastructure to run these packages and various supporting software components such as **Maven, Rundeck** etc.
- Used**Ansible** to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
- Responsible for provisioning AWS services like **EC2, S3, Glacier, ELB** (Load Balancers), **Auto Scaling Groups, Optimized volumes**, **VPC, RDS, SNS,** and **EBS**, **IAM** etc.
- Worked on **Jenkins AWS Code Deploy** plugin to deploy to **AWS**.
- Established secure-cloud configuration, (**CloudTrail**, **AWS Config**), cloud-security technologies (**VPC**, **Security Groups**, etc.) and cloud-permission systems (**IAM**).
- Worked on monitoring applications using monitoring tools like**Nagios**, **Datadog**, **Dynatrace**.
- Managed the software configurations using **Ansible** and worked on writing **Ansible playbooks.**
- Involved in writing custom **Shell scripts**, **Python scripts,PowerShell scripts** for automation of day to day tasks.
- Installation and configuration of **PostgreSQL, MySQL** and **MariaDB**database on Red Hat Servers.
- Setup **MongoDB** clusters from scratch and automate the installation.

Environment: Java, Maven, GIT, Docker, Jenkins, Kubernetes, Ansible, Jira, Nagios,Dynatrace, VM Ware ESXi, Cloud watch, AWS (EC2, VPC, ELB, S3, Glacier, RDS, IAM, Cloud Trail and Route 53), MySQL, PostgreSQL, MariaDB, Python, Shell Scripting, Confluence.

Abhibus - Hyderabad, Andhra Pradesh   May2018 to April 2019
DevOps Engineer
Responsibilities:

- Worked on Migration from **AWS** to **Microsoft Azure**.
- Worked on implementing **Azure Services** such **as Azure Active Directory, Azure Storage, Azure Virtual Machines, Azure resource Manager (ARM) , Azure Blob Storage, Azure Cloud Services, SQL database, Azure Networking, Load Balancing.**
- Worked on Deploying CI/CD Pipeline using **Azure Devops** on **Kubernetes Container Environment**.
- Designed and **Automated Azure IaaS and PaaS, Saa**S Capabilities which includes virtual machine, container services, virtual network and cloud services.
- Used **Azure Devops** Services such as **Azure Repos, Azure Boards** and **Azure Test Plans** to plan work and collaborate on code development , application build and deployment.

- Used **Azure Container Registry** to store the docker images built from **Azure pipeline** in Azure Devops.
- Responsible for Configuring, Managing and Deploying applications on **AKS (Azure Kubernetes Service)** clusters.
- Deployed Azure IaaS VM's and cloud services into secure VNets and subnets using PowerShell.
- Have a good knowledge Nagios and experience in monitoring tools like **AppDynamics, Grafana**
- Installation, Administration and configuration of Linux Systems(Rhel5.x , Centos6 etc).
- Setup Jenkins tool to integrate the **JAVA** project and maintained **Jenkin**s with continuous integration and deployment.
- Installed software dependencies on all the infrastructure using **Ansible.**
- Integrated GIT with **Ansible Tower** to deploy Playbooks.
- Used **Ansible** to document all infrastructure into version control.

Environment – Azure Devops, Azure VM, AKS, ACS, Azure AD, Azure Load Balancer, Azure Application Gateway,Ansible, ARM, Azure MySQL, Azure MariaDB, Azure Storage, Azure Log Analytics, Azure network watcher, Kubernetes, Docker.

NTT Data- Hyderabad, Telangana   **July 2017 to Sep 2018**
Linux administrator
Responsibilities:

- Involved in creating **post commit** and **pre-push hooks** using **Python** in **Bitbucket and GitHub repos** and worked on creating the **Bitbucket** and **GitHubrepos** for **Jenkins build jobs**.
- Fixed merging issues during **Rebasing** and Re-integrating branches by discussing with Development Team Leads.
- Worked with the development team to generate deployment profiles **(jar, war, ear)** using **Gradle Scripts** and **Jenkins**.
- Installing, configuring and administering **Jenkins CI** tool on **Linux** machines.
- Implemented the setup for **Master slave architecture** to improve the Performance of **Jenkins**.
- Worked on Container management using **Docker** by writing **Docker Files**
- Worked closely with software developers to debug software and system related issues.
- Responsible for setting up the **Linux Cron jobs** for automating various build related jobs and application data synchronization jobs.
- Used to write **ShellScripts** for automation of deployment processes.
- Used **Jira** as **ticket tracking** and **workflow tool**.

Environment: Bitbucket, GitHub, Maven, Gradle, Jenkins, Docker, Nexus, Postman, Jira.