Chintapalli Pavan Kumar

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Professional Summary:

Having **Total 3+**Years of IT experience as a **DevOps Engineer** in automating, building, deploying, managing & releasing of code from one environment to other environment tightly maintaining Continuous Integration, Continuous Delivery & Continuous Deployment in multiple environments like (DEV/QA/STAGE & PROD).

- Experience in **Git, Jenkins, SonarQube, Nexus, Ansible, Apache Tomcat, Docker, Kubernetes, Terraform, Bash Scripting** & **AWS.**
- Experience in working on source code management tools like **GitHub.**
- Installed, configured & administered CI tools like **Jenkins** for automated pipeline builds.
- Configuring Jenkins job with related **plugins for Builds, Testing, Artifacts creation & Continuous Deployment** to accomplish the complete CI / CD.
- Experience in integrating Code Quality Analysis Tools like **SonarQube.**
- Experience in using **Nexus** artifact Repository Manager for Maven builds.
- Expertise in using build tools like **MAVEN** for the building of deployable artifacts such as **.war & .jar** from source code
- Worked on various versions of **Linux, Ubuntu & Windows.**
- Expertise in configuring and managing services like **AWS EC2** using **AMI**'s available. Configured multiple servers depending on application needs using continuous integration tools like **Jenkins**
- Configuring alarms & notification services using **SNS**, **IAM** role
- Creating **IAM** users, policies for programmatic access to **RDS instances**, **S3 buckets** etc.
- Experience configuring and updating the servers using **configuration management** tools like **Ansible.**
- Experienced with **docker**, creating containers attach volumes, creating docker images from docker file and published docker images to **docker hub.**
- Experienced with **Kubernetes** Creation of pods, deployment, services, Rolling Updates, Load Balancer, Auto Scaling.
- Experienced with Infrastructure as Code **(IAC) Terraform,** launch Instance, create **VPC** with subnet, Internet gateway, route table & security group.

COMPETENCY   MATRIX

- Operating systems : Linux, Ubuntu, Windows
- Scripting   Languages : Bash Scripting
- Web/ Application Server : Apache / Tomcat
- SCM Tools : GIT Hub
- Continuous Integration : Jenkins
- Build Tools : Maven
- Static Code analysis Tools : SonarQube
- Cloud Environments : AWS Cloud.
- Configuration Management : Ansible
- Infrastructure as Code (IAC) : Terraform
- Databases : SQL Server (Maria DB, My SQL)
- Orchestration Tools : Kubernetes
- Containers : Docker
- Monitoring Tools : Prometheus, Grafana, Cloud Watch
- Artifactory Tools : Nexus
- Development Methodologies : Agile, waterfall

EMPLOYMENT CHRONICLE

DevOps Engineer at **FUTURISTA TECHOLOGIES PRIVATE LIMITED** from **JAN 2021** to Till Date.

PROJECT TECHNICALITIES:-

PROJECT 02

PROJECTNAME	Medbuzz Application
Role	DevOps Engineer
Duration	SEP 2022 to Till Date
Environment	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Ansible, Docker, Terraform, Kubernetes

Description:

Medbuzz is an online generic medicine app pan India. Buy Online Generic medicines at the best prices from our online pharmacy App. Medbuzz is India's first E-health platform gaining satisfied customers day by day. This app provides Generic medicine online in India. It is a one stop shop for quality Generic medicines online at affordable prices delivering all India over 11000 pin codes.

Roles & Responsibilities

- Hands on experience in Amazon Web Services (AWS) provisioning & good knowledge of **AWS** services like **EC2, Elastic Load-balancers, S3, Elastic Beanstalk, Elastic Filesystem, RDS, Dynamo DB, VPC, Route53, Cloud Watch, IAM.**
- Launching **Amazon EC2** using **Amazon Web Services (Linux/ Ubuntu**) & configuring launched instances with respect to specific applications.
- Defined **AWS** Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2** instances.
- Working on Multiple AWS instances, set the security groups, **Elastic Load Balancer** & AMIs, **Autoscaling** to design cost effective, fault tolerant and highly available systems.
- Creating **S3 buckets** & also managing **policies** for S3 buckets & Utilized **S3 bucket** & **Glacier** for storage & backup on AWS.
- Created alarms & notifications for EC2 instances using **CloudWatch** alerts for instances & using them in Auto-scaling launch configurations.
- Creating branches & merging using **GIT**.
- Performing deployments to multiple environments like **Dev, QA, Perf, UAT & Production Environments**.
- Hands-on in writing the **Docker** files for building images.
- Participate in building the DevOps Platform with DevOps tools & high-end scripting languages like **Ansible**.
- Developing build & deployment pipelines using **Jenkins, Maven** for Java applications
- Trouble shoot issues along the CI/CD pipelines
- Implemented Continuous Integration (CI) automation using scripts/ custom tools
- Implemented **Blue & Green pattern** development methodologies & roll backs with **zero downtime** to deploy process using **Ansible, YAML Scripts.**
- Deployed & maintained multi-container applications through **Docker**, **orchestrated containerized** application using **Docker compose & Kubernetes**

PROJECT 01

PROJECTNAME	HEY MAN APPLICATION
Role	DevOps Engineer
Duration	JAN 2021 to AUG 2022
Environment	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Terraform, Kubernetes, Ansible, Docker

Description:

Hey man is first of its kind multi service hyper Local app connecting subservice to provider to customers who require on-demand at-home services, personal services, pet care services, including minimart instant delivery. Till now there is no such app which provides services & groceries in single platform.

Roles and Responsibilities:

- Setup & launch **Amazon Linux, RHEL & Windows EC2 instances**, network interface with Elastic IP's.
- Created **AMI images** of the critical **EC2 instance** as **backup** using AWS.
- Knowledge on **GIT & Jenkins** Continuous Integration of Server–Installation, Configuration, Design & Administration & integrating these tools with other systems.
- Creating **Branches** whenever required as per the request from development teams.
- **Troubleshooting**, **debugging**, build & deployment issues.
- Creating **War/Jar files** using **Maven.**
- Participated in installation & configuration of **Apache/Tomcat servers**.
- Active participation in **Build & release** process.
- Performing deployments to multiple environments like **Dev, QA, UAT & Production environments**.
- **Troubleshooting** application related issues by log verification.
- **Automate code deployments by using Jenkins**
- Used **Jenkins** for Continuous Integration & deployment into **Tomcat Application Server.**
- Contribute to enhancing & managing continuous **delivery pipeline**
- Deployed & monitor scalable infrastructure on Amazon web services (AWS) & configuration management.
- Worked on **Docker container** snapshots, attaching to a running container, removing images, managing directory structures & managing containers.
- Installation & configuration of **Git**, merging code from **develop branch** to **master branch** & make it ready for deployment.
- Used Jenkins pipelines to drive all micro services builds out to the **Docker registry** & then deployed to **Kubernetes**, **Created Pods** & managed using **Kubernetes.**
- Created tickets for bug stories & feature stories in **JIRA**

SCHOLASTICS

BTech in MECHANICAL Engineering from **SRI VASAVI ENGG COLLEGE (2017-2020)**

DECLARATION

I, hereby declare that all the details furnished above are true to the best of my knowledge.

CH. PAVAN KUMAR