PRAMOOD NANDIGAMA

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Professional Summary

- **8 Years** of IT industry experience working as Software Engineer in **DevOps, Azure, CI & CD, AWS Cloud** **Software Development, Build, Deploy** and **Release Management** in **Automation** and **Linux System**

- Experience in designing & deploying AWS Solutions using **EC2, S3, EBS, Elastic Load balancer (ELB), RDS**, EC2, Route 53, AWS Lambda, S3, Cloud Watch, Cloud Front, Dynamo DB, RDS, AMI, **KMS, Elastic Container Service, ELB, Cloud Formation, VPC**, and Simple Notification Service. Worked at optimizing volumes and **EC2 instances**, created multiple **VPC instances**.

- Experience in **Microsoft Azure administrations**, for example, **Azure virtual machines**, **Azure web applications, Azure Blob stockpiling, Azure Container Registry (ACR), Azure Kubernetes Service (AKS), Azure Data Factory, Azure Search, Azure APP Service, Azure Log Analytics, Azure SQL Database, DNS, VPN Gateway, Azure Service Bus and Azure AD.**

- Hands on experience in standing up **AWS** accounts, **AWS Rehydration** activities migrating workloads, enforcing security and automation best practices.

- Experience in Administration/Maintenance of Source Control Management Systems and version control tools such as Sub Version **(SVN), GIT**, **GITHUB, BIT Bucket and Gitlab**.

- Migrated applications from **OpenShift** to **Kubernetes** involves moving the application workloads and configurations from one platform to another.

- Deployment of Cloud service including Jenkins and Nexus on Docker using **Terraform.**

- Installed and Configured **CI & CD** in **Jenkins** on **Linux** machine, Proficient in defining **Build Pipelines** (master slave configuration) in addition to creating and maintaining multiple jobs.

- Expert in **Chef/Puppet/Ansible** as Configuration management tool, to automate the repetitive tasks, quickly deploy critical applications, and enthusiastically managed the changes on multiple platforms.

- Experience working on several docker components like **Docker Engine, Hub, Machine** and **Docker Swarm.** Creating **Docker images**, Compose **Docker Registry** and handling multiple images primarily for middleware installations and domain configurations.

- Experience with **Linux/Unix** environments and scripting for Build & Release automation, Installations, Upgrades, Patches, Migration, and Trouble shooting.

- Experience working with log checking instruments syslog and ELK Stack (**Elastic pursuit, Logstash**), also used Cloud Watch, **Nagios** and **Splunk** for noticing.
- Related with Team to send existing security contraptions with in the **GCP** environment to update the plan and capacities inside **Google Cloud Platform**.
- Strong in building Object Oriented applications utilizing **C** and **Java**, composing **Shell Scripts** on **UNIX.**
- Experience in deploying applications on **Kubernetes** and responsible for **maintaining** the applications on **clusters**, Integrated **ansible** with **concord** for deploying applications on **Kubernetes** clusters.
- Worked GitHub Dependabot issues scripts for all applications with **Jenkins** pipeline testing.
- Ability to work closely with teams, to ensure high quality and timely delivery of build and release.
- Composed Angular2 Services to burn-through soothing **APIs** and handling **JSON** information for delivering in **UI**.

Technical Skills:

Operating Systems	Linux (RedHat, Ubuntu, CentOS) UNIX, Windows.
Database	SQL Server, MySQL, DynamoDB, Mongo DB, AWS.
Languages	C, C+, Python, Perl, JAVA, JSON, Shell/Bash Scripting, Groovy, Puppet configuration Management, HTML, XML.
Cloud Tools	AWS, Azure, GCP.
Version Control Tool	SVN, Git, Gitlab.
CI/CD Tools	Chef, Puppet, Ansible, Azure, Jenkins, Bamboo, Maven, GIT, SVN.
Ticketing/Tracking Tools	Jira, Rally, Crucible, Service now.
Containers & Virtualization	Docker, Kubernetes, OpenShift, Helm.
Application Servers	Tomcat, WebSphere, Apache.
Networking Abilities	TCP/IP, NIS, NFS, DNS, DHCP, SMTP, FTP/SFTP, HTTP/HTTPS, NDS, Cisco Routers/Switches, WAN, LAN.
Reporting & Servicing tool	Service Now, JIRA, CloudWatch, Remedy.
Monitoring & Analytics	Splunk, Nagios, Cloud Watch, ELK (Elasticsearch, Logstash Kibana).

DevOps Engineer:

Optum, Eden Prairie, MN

Duration: Sep 2023 – Present

Responsibilities:

- Worked on migration from on premise **GitHub** enterprise server to cloud enterprise environment.
- Migrated from the **Jenkins** pipelines to the **GitHub** Actions workflows to Decommission the **Jenkins Pipelines.**
- Created workflows **YAML** files in the workflow directory to specify the events trigger the sequence of jobs.
- Integrate security scanning tools into workflows to automatically identify the vulnerabilities in code dependencies.
- Configured the **Grafana** alerts in **VictorOps** dashboard through **API** integrations.
- Established infrastructure and services monitoring using Prometheus and **Grafana.**
- Used monitoring tools like **Splunk**, **Grafana** configured and managed monitoring tools such as resources and worked on **Grafana** email alert setup for K8's applications.
- Setting up alerting metric rules and notifications within Grafana to monitor system performance, detect anomalies, and ensure timely responses to critical events.
- Create **Docker images** using a Docker file and work on **Docker container** snapshots, remove images, manage Docker volumes as well as set up Docker Host.
- Hardening configurations for **HELM,** and **Kubernetes** Creating standard container config deployment images.
- Successfully integrated Amazon **ECR** into **GitHub** Actions workflows to build automating image Tags, testing and deployment process.
- Demonstrated expertise in diagnosing and resolving issues with **Kubernetes** pods by analyzing container logs.
- Deployed and configured **AWS EKS** clusters, including node provisioning, scaling, and auto-scaling in deployments. Implemented best practices for cluster performance and security.
- Developed the Docker images for **Kafka Mirror Maker**, including the source and destination Kafka endpoints, consumer groups, topic mappings.
- Developed **Terraform template**s that can spin up infrastructure for multi-tier application and provisioned boot strapped software on Cloud with terraform.

- Written Templates for **AWS** infrastructure as a code using **Terraform** to build staging, production environments.
- Worked in an environment of **Amazon Web Services** (**AWS**) products gained good knowledge in Elastic Cloud Computing, Simple Storage Services, **Glacier**, **Block Storage**, **Elastic Beanstalk**, **Amazon Lambda**, **Virtual Private cloud**, **Load balancing**, **Relational Database Service.**
- Implement security measure **AWS** provides and employ key concepts of **IAM**.

Professional Experience:

Azure DevOps Engineer:

Optum, Eden Prairie, MN

Duration: Mar 2022 – Sep 2023

Responsibilities:
- Migrated applications from **OpenShift** to **Kubernetes** involves moving the application workloads and configurations from one platform to another. And re-pointed the Jenkins pipelines to ensure the **CI/CD** processes continue to work seamlessly with the new Kubernetes environment.
- Developed new **Groovy scripts** to build the jobs in **Jenkins** with the Groovy stages that interacts with the Jenkins API to create and configure jobs.
- Worked on the keys or credentials in the Azure resource such as **Azure Key Vault**. regenerate keys or update secrets within the Key Vault to perform these actions.
- Established infrastructure and services monitoring using Prometheus and **Grafana.**
- Created **Git** tokens and implemented them to **Groovy scripts** for credential ID's for all orgs.
- Took initiatives by picking up day to day ad-hoc issues and solved them effectively.
- Configured Kubernetes roles in **YAML** and defined tasks, variables, files, handlers, and templates and configured the **Kubernetes** files for parallel deployment for automating the Continuous delivery process.
- Experienced in building the **Docker** image manually for **K8s** pod and through the pipeline into Kubernetes.
- Decommissioned the Fortify scan and implementing **SonarQube** for sonar Scan. Set up SonarQube on the desired server and resolve any critical issues or blockers before running the first SonarQube scan.
- Worked on **Terraform** scripts to create an infrastructure in **Kubernetes** while migrating from **OpenShift** for non-prod environments.

- Created **Docker Daemon** sets for deploying fluent bit on **Kubernetes** clusters.
- Created new K8s services with resources as per the requirements. From scratch for new applications.
- Implemented new Dependabot issues scripts for all applications with **Jenkins** pipeline testing.
- Worked on featured develop, release, prod branches for different applications and triggered the jobs using **CI/CD** environment.
- Developed **Python** scripts to communicate with the **Kubernetes** API and automate processes like pod generation, scaling, and configuration updates.
- Integrated **Maven** artifact management into **CI/CD** pipelines, enabling seamless and automated deployment of artifacts to staging and production and non-prod environments.
- Created **Git** tokens and implemented them to **Groovy scripts** for credential ID's for all orgs.
- Worked on migration from on premise **GitHub** enterprise server to cloud enterprise environment.
- Configured Kubernetes roles in **YAML** and defined tasks, variables, files, handlers, and templates and configured the **Kubernetes** files for parallel deployment for automating the Continuous delivery process.

Professional Experience:

Azure DevOps Engineer:

State of Utah, Salt Lake City, UT

Duration: Jan 2021 – Feb 2022

Responsibilities:

- Worked in **Azure** Development on Azure web application, App administrations, **Azure stockpiling, Azure SQL Database,** Azure **Virtual** Machines**, Azure AD, Azure hunt, Azure DNS and Azure VPN Gateway.**
- Architected and executed **Azure Data Factory, Data Lake Store Gen2, Power BI,** and **Tabular AS** for full enormous information examination from on-prem CRM deals frameworks.
- Developing **Azure pipeline** tasks to make Azure Infrastructure from **GitHub stores** containing **Terraform code** and made **on-premises** dynamic catalog validation utilizing computerization with **Ansible**.
- Sent and Configured **Azure Load Balancer** to make **NAT** rules for whitelisting traffic to different applications.

- Using **Azure Kubernetes Service (AKS)** to send the **Kubernetes** group in **Azure** and made an **AKS** bunch in the Azure entryway, with the **Azure CLI** and utilized layout driven arrangement choices like **Azure Resource Manager (ARM)** formats and **Terraform.**
- Dealt with groups in **Google Cloud** and deal with the bunches utilizing **Kubernetes(k8s).**
- Set up a **GCP Firewall** rules to permit or deny traffic to and from the **VM's** occurrences dependent on determined setup and utilized **GCP cloud CDN** (content conveyance organization) to convey content from **GCP** reserve areas definitely further developing client experience and inactivity.
- Implementing DevOps culture through **CI/CD** tools like **Jenkins, Code Deploy** and Code Pipeline.
- Utilized **JFrog** Artifactory for image repository and to store package repo.
- Responsible for creating and managing user accounts, security, rights, disk space and process monitoring in **CentOS** and **Red hat Linux.**
- Troubleshooting, tracking and closure of AYS Incident/Change ticketing and **JIRA** ticket.
- Utilized the authentication method used for **Kubernetes** service to access the **Azure** resource. Common methods include service principals, managed identities, or shared access keys.

DevOps/AWS Engineer:
SunTrust, Atlanta, GA
Duration: Nov 2019 – Dec 2020

Responsibilities:
- Developed a fully automated continuous integration system using **Git, Jenkins, MySQL** and custom tools developed in **Python** and **Bash.**
- Involved in making the organization's **DevOps** system in a blended climate of **Linux** (**Ubuntu, CentOS, RHEL**) servers.
- Created different **Terraform** modules to oversee arrangements, applications, benefits, and mechanize the establishment cycle for Web Servers and **AWS Instances**.
- I have Send a few **REST API** applications and web-occupations created across the stage **in Azure web applications** and capacity applications.
- Wrote **Cloud Formation Templates (CFT)** utilizing **Python Boto3 structure**, **JSON** layouts and **YAML** organization to construct the **AWS** administrations with the worldview of Infrastructure as a Code.
- Experienced in designing & deploying AWS Solutions using **EC2, S3, EBS, Elastic Load balancer (ELB), RDS**. Worked at optimizing volumes and EC2 instances, created multiple VPC instances.
- Developed computerization prearranging in **Python** to send and oversee Java apps across **Linux servers.**

- Configured **AWS Virtual Private Cloud (VPC)** and Database Subnet Group for isolation of resources within the Amazon **RDS Aurora DB** cluster.
- Planned AWS architecture, **Cloud migration**, **RDS, Elastic Beanstalk, EMR, Dynamo DB, Redshift** and event processing using **lambda** function, Creating database objects in **AWS Redshift.**
- Worked on **AWS platform** for configuring, launching **Linux** and **windows RDP** server instances for **Splunk** monitoring and deployment.
- Managed Virtual servers (**Ubuntu Linux** and **Windows**) on **AWS EC2** using Open-Source Server.

DevOps Engineer:

Highmark INC, Pittsburgh, PA

Duration: Jan 2018 – Oct 2019

Responsibilities:
- Worked in Azure Development on **Azure web application**, App administrations, **Azure stockpiling, Azure SQL Database**, Azure Virtual Machines, **Azure AD, Azure pursuit, Azure DNS** and **Azure VPN Gateway.**
- Worked on **Azure** pipeline responsibilities to make **Azure Infrastructure** from **GitHub vaults** containing Terraform code and made on-premises dynamic registry verification utilizing computerization with **Ansible.**
- I have made fundamental **PowerShell** code for moving **Azure** exemplary jobs to **Azure Resource Manager rendition.**
- Used Azure **Kubernetes Service (AKS)** to convey the **Kubernetes** group in **Azure** and made an **AKS** bunch in the **Azure entrance,** with the **Azure CLI** and utilized layout driven organization choices like **Azure Resource Manager (ARM)** formats and **terraform.**
- Composed **Docker** documents for making base pictures and altering them according to the necessity, with chipping away at Docker holders, Snapshots**,** overseeing **Docker volume planning,** catalog structure and eliminating **Docker pictures** from **Azure Container Registry (ACR).**
- Utilized **Azure Artifacts,** coordinated the **Maven** and NuGet bundles together by improving putting away them and utilized them as Universal Packages with the goal that designers can share their code easily and surprisingly incorporated the stuffed antiques to the **Azure Pipelines CI/CD** instrument.
- Work on relocation between **Azure Cloud** and on-premises utilizing **Azure Site Recovery** and **Azure reinforcements and designed,** sent cases in **Microsoft Azure climate**.

- Designed **LINUX Virtual Machines** in **Azure cloud** utilizing **Ansible Playbooks and robotized cloud-local applications in Azure** utilizing **Azure Functions and AKS.**
- Answerable for making server and cloud framework in **Azure IaaS** climate driven by **CI/CD** pipeline using Infrastructure as Code approach with **ARM** layouts.
- Developed a fully automated continuous integration system using **Git, Jenkins, MySQL** and custom tools developed in **Python** and **Bash.**

DevOps Engineer
Cigna, Philadelphia, PA
Duration: Sep 2016 – Dec 2017

Responsibilities:

- Wrote **Python scripts** with Cloud Formation templates to automate installation of auto scaling**, EC2, VPC** and other services.
- Provisioned **EC2** examples into AWS by utilizing Terraform contents to pull pictures from **Docker** and performed **AWS S3** pails creation, approaches on **IAM** job based strategies, and modifying the **JSON** layout
- Answerable for executing AWS arrangements and setting up the Cloud Infrastructure with various administrations like **S3, Route53, ELB, AMI, EBS, RDS, DynamoDB, Lambda, Auto Scaling.**
- Send and screen versatile framework on **Amazon web administrations (AWS)** design the executives.
- Coordinated **Amazon Cloud Watch** with **Amazon EC2** occasions for checking the log documents, store them and track measurements.
- Mechanized the cloud organization utilizing **Chef, Python** and **AWS Cloud** Formation Templates. Utilized Chef for unattended bootstrapping in **AWS.**
- Assigned security groups, network **ACLs**, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS public cloud.
- Wrote Ansible Playbooks with **Python, SSH** as the Wrapper to Manage Configurations of **AWS** nodes and Tested Playbooks on **AWS** instances using Python.
- Executed Nagios observing answer for crucial server, Monitored the server and application utilizing **Nagios Splunk.**
- Experience working with log checking instruments syslog and **ELK Stack (Elastic pursuit, Logstash, Kibana**), additionally utilized Cloud Watch, Nagios and Splunk for observing.

- Created Ansible roles in **YAML** and defined tasks, variables, files, handlers, and templates and created inventory and configured the Ansible files for parallel deployment in **Ansible** for automating the Continuous delivery process.

JAVA Developer

Appcare, Hyderabad, India
Duration: Aug 2014 – Aug 2015

Responsibilities:
- Executed modules utilizing Core Java Api's, **Java** Collection, Threads, XML and incorporating the modules.
- Utilized **J2EE** configuration designs like Factory, Singleton and associated with different periods of Software Development Life Cycle (SDLC) as necessity gathering, displaying, investigation, engineering plan and improvement.
- Developed **GUI** related changes utilizing **JSP**, **HTML** and customer approvals utilizing **JavaScript**.
- Worked on a robotized stream, where a progression of tasks finished through different applications physically is mechanized in a successive advance utilizing **REST API's** uncovered by every application.
- Experienced on back-end use **Node JS** composing application-level code to connect with **APIs**, web Servers utilizing **JSON, XML, AngularJS**.
- Utilized **Java** Messaging Services (JMS) and Backend informing for the solid and nonconcurrent trade of significant data, for example, installment status report.
- Created **Java** modules, activity classes and JSPs for recovery of data from the mistake logs with various indexes for various positions.
- Composed Angular2 Services to burn-through soothing **APIs** and handling **JSON** information for delivering in **UI**.
- Strong in building Object Oriented applications utilizing **C** and **Java**, composing **Shell Scripts** on **UNIX.**
- Created Java beans, partner classes and Servlets for cooperating with **UI** written in **JSP**.

Educational Background:
- Master's in Computer and Information systems Security, California State University East Bay, CA, USA.
- Bachelor's in computer science, Jawaharlal Nehru Technological University Hyderabad. India 2014.