

# NAVYA ARETI

(Devops Engineer)

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## Summary:

- One year+ Experience in system administration working on RedHat Linux, Debian Linux, and windows environments.
- Experience in creating the company's **DevOps** strategy in a mix environment of Linux (**RHEL, Ubuntu**) servers along with creating and implementing a cloud strategy based on **Amazon Web Services**.
- Experience configuring and updating the servers using **configuration management** tools like **Chef and Ansible**.
- Managed servers on the **Amazon Web Services (AWS)** platform instances using ansible and chef configuration management.
- Developed complex **build, test, provision, secure and deployment** systems and providing support to a large community of developers and testers  
Conducted the Devops Process Planning.
- Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on **AWS and Cloud**.
- Provisioned and deployed the AWS resources using the EC2, AWS Lambda and ECS.
- Experience configuring chef and Ansible on various servers.
- Developed Infrastructure as code templates using Cloud Formation and terraform.
- Developed Jenkins pipelines for end-to-end testing which deploy complete infrastructure and then test the deployed application.
- Version control and source code management using the **GitHub**.
- Automation of build process (**Build Automation**) using the Jenkins, Bamboo, Maven and Git.

- Participated in various application life cycle development steps from development, QA to production.
- Integration of **Sonar** and **Selenium** with Jenkins to automate the testing of java applications and provides the Acceptance test driven development (**ATDD**).
- Certified AWS Solutions Architect.

**Certifications:**

- AWS Certified Solutions Architect (Feb-2019-Present).
- Certified Cisco CCNA Routing and Switching (pursuing).
- Certified in cisco c programming.

**Academic Profile:**

- Bachelor of Science in Computer Science- April 2018.

**Technical skills:**

<b>Scripting</b>	SQL, Shell Scripting, Bash, YAML
<b>Versioning Tools</b>	GitHub/ GitLab, GIT, Bit Bucket
<b>Build Tools</b>	Maven, Nexus,
<b>Cloud</b>	Open stack, AWS (EC2, S3, EBS, ELB, Elastic Beanstalk, Route 53, VPC, IAM, and Cloud Watch) , Google GCP.
<b>Testing Tools</b>	Selenium
<b>CI Tools</b>	Jenkins
<b>Configuration Management</b>	Chef and Ansible
<b>App/Web servers</b>	Apache Tomcat 7/8, HAProxy, Apache Web Server,
<b>RDBMS/NoSQL</b>	MySql , MongoDB,
<b>Operating Systems</b>	Ubuntu, CentOS, RedHat, Windows
<b>Container Management Software</b>	Docker, Kubernetes
<b>Packages</b>	MS Office
<b>Web Technologies</b>	HTML5, CSS, JavaScript
<b>Frameworks</b>	Angular, Node.js, Express js

- Hands on experience in EC2, VPC, Subnets, Routing tables, Internet gateways, IAM, Route 53, VPC peering, S3, ELB, RDS(MySQL), Security Groups, Cloud Watch, SNS on **AWS**.
- Creating AMI with Bootstrapping scripts on AWS and other cloud platforming using scripting such as BASH and Python.
- Monitor scalable infrastructure on Amazon web services (**AWS**) using configuration management tools **Ansible and chef**.
- CI/CD Pipeline for AWS using tools like **AWS Pipeline ,code build, code commit, code deploy, EC2 instances and AWS Lambda**.
- Written Simple **Ansible** YAML scripts to configure the various cloud servers.
- Configuring the **Docker** containers and creating Docker files for different environments.
- Designed **Ansible and chef** to manage configurations and automate installation process.
- Coordinate/assist developers with establishing and applying suitable repository forking, branch merging conventions into master using **GIT** source control.
- Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Sona-type Nexus** and **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
- **Continuous Delivery** is being enabled through **Deployment** into several environments of Test, QA, Stress, and Production using **Jenkins**.
- Maintained build related scripts developed in **Nexus** and **Shell**. Modified build configuration files including **Nexus’s** build.xml.
- Analyzed the builds using the **SonarQube** and automated the test using the **selenium**.
- Automate the builds and deployment of **JAVA projects** using **Nexus** and Jenkins.
- Hands on experience in automating builds and deployment process using Shell scripting.
- Hands on experience on using Jira as a ticketing and agile management
- Created the VPC’s, configured the subnets, attached the internet gateway and routing tables to the subnets and deployed the EC2 instances in the subnets created.
- Hands on experience in EC2, VPC, Subnets, Routing tables, Internet gateways, IAM, Route 53, VPC peering, S3, ELB, RDS(MySQL), Security Groups, Cloud Watch, SNS on **AWS**.
- Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
- Provided end-user training for all GitHub users to effectively use the tool.
- Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
- Created and maintained user accounts, roles on MySQL, production and staging servers.

**Environment:** CI/CD, AWS,GCP, Jira, Jenkins, LAMP, Apache, Nginx, MySQL, SonarQube, Selenium, Nexus Repository, AWS RDS, AWS ECS, Docker, Kubernetes.

Altura, India

August 2017-December 2018.

## Infrastructure & AWS Cloud Engineer

### Key Responsibilities:

- Automate infrastructure in **AWS** using amazon web services. complete provision and manage **AWS EC2** instances, volumes, DNS, and S3.
- Migrating existing physical server into cloud service infrastructure using AWS Server Migration service.
- Launching and configuring of **Amazon EC2 (AWS) Cloud Servers** using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
- Perform daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs such as backups.
- Built application and database servers using AWS EC2 and create AMIs as well as use RDS for **Oracle** DB / MS SQL DB
- Written shell scripts for automating logs backup and archiving.
- Logs file analysis (troubleshooting) to resolve issues using scripts.
- Managing VMware Infrastructure clusters on Production Test/Development environments.
- Provide off-hours support in a 24/7 environment and ensure maximum availability of all servers and applications.