# naveen appikatla

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# Career Objective:

Experienced Software Engineer with a demonstrated history of working in the information technology and service industry. Seeking to be a distinguished technical contributor in the field of **Devops** with my existing skills and to constantly upgrade and hone my skills for better growth of the company and self.

# Professional Summary:

* Having 2+ **years** of work experience in **DevOps.** Detailed technical knowledge and hands-on experience of **DevOps**, Automation Experience in Continuous Integration and Continuous Delivery pipeline using tools such as Jenkins. Build Engineering and Configuration Management experience in continuous deployment tools like Ansible**.** Currently Working on CNOPS (Core Network Operations Platform) to test release upgrades of 5G products by using Ansible automation.

# Professional Skills:

* Experience in supporting multiple projects during builds and release process. **Git Flow** for branching strategy of GIT.
* Experience in working on **DevOps/Agile** operations process and tools area (Code review, Build & Release automation, Environment, Services etc…
* Basic knowledge on perl script.
* Hands on Experience with Build Tool **Maven** to generate project **Artifacts.**
* Hands on experience in automating build process using **JENKINS**.
* Good Experience in Continuous integration using the **Pipeline** View. Good experience in deploying the files in **Tomcat Server**.
* Having good knowledge in Amazon technologies **EC2, Auto scaling, Route53, VPC.**
* Maintaining the applications on Containerized environment using **Docker**. Creating and Integration of various resources on the **DevOps** tool stack.
* Creating VPC from scratch and connected to network by using Internet Gateways, Route tables and NAT Gateways.
* Good knowledge in dealing with Network ACLs and Security Groups to restrict unauthorized access to our network.
* Good Knowledge in creating Network Interfaces and Elastic IPs and attaching to EC2 instances and creating peering connection between two networks.
* Knowledge on CI/CD
* Hands on experience on REST API’S & Siebel CRM Applications and Siebel Tools.
* Ability to accept challenge, learn and grown in good professional manner..
* Knowledge on Container image creation Via GCP on Kubernetes.
* Knowledge on Jio NFV SDN Platform.

# Technical Skills

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| **Operating Systems** | Linux/Windows |
| **Scripting Language** | Perl script |
| **VCS Tool’s** | Git, Github |
| **Build Tool’s** | Maven |
| **Application Servers** | Apache Tomcat |
| **CI Tools** | Jenkins |
| **Container tool** | Docker |
| **Cloud Platform** | AWS, Oracle , GCP |
| **Ticketing tool** | Jira software ,Phabricator |
| **Orchestration tool** | Kubernetes |
| **Configuration Management tool** | Ansible |

# Educational qualification:

* **B.Tech**(2016-2020) in Electronics & Communication Engineering from **Chirala Engineering College, Chirala** with aggregate **7.16 CGPA**
* **Intermediate(2014-2016)** in MPC from **Maruthi Junior College** , Koduru with an aggregate of **92**%
* **SSC(2013-2014)** from **Sri Vaninikethan H S koduru** affiliated to Board of Secondary with an aggregate of **95**%

# Professional Experience

* Worked on Ecofil Technologies Pvt Ltd at Chennai ,as **DevOps** Engineer (May 2020 –Nov 2021)
* Worked on Orbus International (**CLIENT : Reliance Jio** ) at New Delhi , as Devops Engineer (March 2022 – October 2022)
* Worked on Jio Platforms Limited(JPL) at Bengaluru , as DevOps Engineer (November 2022 – Present)

# Project Details:

# Project #1 : STANDERD AND POOR (S&P) USA

**Role : Dev-Ops Engineer**

**Environment : GIT,GITHUB ,JENKINS,ORACLE ,JIRA,KIBANA,LINUX**

Helix Immutable Infrastructure is when instantiated components are never changed instead replaced whenever changes needed. This is achieved using standardization and full automation. Infrastructure as code is the process of provisioning and managing infrastructure through machine readable configuration files rather than interactive physical hardware setup. Infrastructure setup through Ansible playbooks and the operational support tasks are handled through Ansible Tower.

As a **DevOps** Engineer

**Key Results:**

* Administration of **Github** tool includes cutting out branches, implementing the fix, raising PR’s and providing access level to developers.
* Troubleshooting application related issues by log verification
* Creation of test data to support test execution requirements according to the test strategies and plans by project, application and/or system.
* Involved in managing a platform on **ORACLE** environment.
* Automated build & deployment process using automation tool like **Jenkins.**
* Involved in automating the release process to both production and non-production environments.
* Provided Application support by performing log analysis and identify application dependencies with 3rd party services/infrastructure and implement monitoring via kibana
* Working with **GitHub**, GitLab private repositories.
* Assisting clients on issues they might be facing on day to day basis.
* Providing on call, weekend and deployment support.
* Resolved production incidents by reporting root cause analysis and proposing preventive measures.

# Project #2 : JIO -CNOPS (CORE NETWORK OPERATION PLATFORM) & NFV (NETWORK FUNCTION VIRTUALIZATION)

**Role : Dev-Ops Engineer**

**CLIENT : Reliance Jio**

**Environment : JENKINS,GCP, DOCKER ,ANSIBLE,KUBERNETES,MANO,LINUX**

**CNOPS:**

Jio 5G-CNOPS is Core Network Operations Platform, which automates the process of upgrades of the network elements. And an intelligent solution to upgrade the network functions. It has been developed in sync with the best automation technologies and the technical advantages in the 5G core network and in-depth understanding of O&M services. It will drastically cut down the time taken for upgrades in the production.

* Hands on experience in containerization technology- Docker lifecycle (Built, Run and Monitor).
* Good knowledge on Docker image creation using micro service based application, Docker volume attachment and Docker swarm cluster deployment.
* Worked on CNOPS (Core Network Operations Platform) to test release upgrades of 5G products by using Ansible automation. (The objective of this project is to upgrade the network elements by using automation (Ansible).

**NFV:**

According to ETSI, the goal of NFV is to transform the way that network operators architect networks by evolving standard IT virtualization technology to consolidate many network equipment types on to industry standard high-volume servers, switches and storage, which could be in the data center, in the network or at end-customer premises. NFV replaces traditional, custom-designed network equipment (black boxes) that continues to dominate the installed base of networks. NFV is the attempt to virtualize network services that run traditionally on proprietary and dedicated hardware. NFV allows network functions like routing, firewalls, and load balancing to be packaged as virtual machines on any commodity hardware.

The two main aspects of NFV in telecommunications are service chaining and orchestration. In service chaining, multiple NFVs are chained together to build a more complex service. The orchestration layer is responsible for the complex tasks of instantiating NFV instances, monitor them, and repair them.

* MANO orchestration design structure analysis for deployment process and production grade NFV micro service deployment on on-prem.
* Gained knowledge in NFV, virtualization concepts and open stack cloud.
* Knowledge on the NFV Micro services like PVIM,DSA,OAM,ELB,IAM,CNFLM
* Docker Container/image creation via MANO.
* Worked on BPD verification on Network functions.

# Personal profile:

Name : NAVEEN APPIKATLA

Father : PRABHAKARA RAO A

DOB : 14/07/1999

Languages known : English, Telugu.

Marital status : Unmarried

# Declaration:

I hereby declare that all the above information is correct to the best of my knowledge

Place:

Date:

**(A Naveen)**