**Naveen Nimmala**

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Targeting senior level assignments in **IT industry in Deployment Process & Devops Enginering and Source Code Management and Release** with a leading organization of repute

**PROFILE SUMMARY**

* Result-oriented professional with **6 years** of experience as Devops Engineer (**Cloud**,**implementation and maintainance of Source Code, Automation**)
* Experience in DevOps tools like **Linux, AWS,GCP, Python, GIT, Terraform, Maven, Jenkins, GitlabCI, Ansibe, Docker, Kubernetes, Azure, Openshift, Bash Shell,Nginx.**
* Certified on **Microsoft Azure Architect.**
* Hands on experience using in **Google Cloud Platform (GCP) like Compute Engine, App Engine, Kuberneters Engine, Cloud Functions, CloudRun, IAM, APIs and Services, BigQuery, Cloud Storage, VPC, Network Services, MySQL, Container Registery.**
* Hands on experience using in **Amazon Web Services (AWS) like EC2, IAM, RDS, ELB, EBS, S3, Cloud Watch, Cloud Trail, Auto scaling, Cloud formation.**
* Hands-on experience on **Docker and K8s/Kubernetes with Openshift.**
* Hands-on experience on **Linux and Windows** Administration**.**
* Hands-on experience in IaaC(**Infrastrecture as a Code**) in **Terraform** on **AWS, GCP.**
* Hands-on experience in configuration management tool like **ANSIBLE**.
* Integration (CI) tools GitlabCI from scratch and **managed Gitlab Runners, create build and deployment jobs using .gitlab-ci.yml.**
* Hands on experience using **JENKINS** as CICD tool.
* Exposure in building automation tools such as **ANT,MAVEN**.
* Hands-on experience in **Python** programming language**.**Modules **like OS, Sys, psutil, numpy, db, Requests, Pandas etc.**
* Writing **Shell Scripts** to make **automating UNIX/LINUX platform.**
* Hands-on experience in **GIT, SVN and GitHub, GitLabCI**.
* Exposed to all aspects of Software Development Life Cycle (SDLC) such as Analysis, Planning, Developing, Testing, implementing and Post-production analysis of the projects.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) in AGILE methodologies.
* Worked with QA, business and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building

**ORGANISATIONAL EXPERIENCE**

Worked as **System Engineer** inTexas Instruments(TI) at Bangalore (Concentrix Technologies Pvt. Ltd, India) from July 2015 to April 2018.

Worked as **Devops Engineer** inDaimler AG at Kuala Lumpur, Malaysia (Brandt International sdn bhd) from Aug 2018 to Dec 2020.

Presently working as Sr **Devops Engineer** inAirasia com travel Sdn Bdh from Jan 2021 to Present, Malaysia.

**ACADEMIC DETAILS**

* **Master’s from JNT University**,Anantapur in 2014.

**IT SKILLS**

* **Operating Systems : Linux, Solaris,Red Hat Linux, Ubuntu, Unix, Centos**
* **Cloud technology : Amazon Web Services, Microsoft Azure, GCP**
* **CI/CD Tool : GitlabCI, Jenkins, Azure Devops**
* **Container Tool : Docker**
* **Orchestration Tool : Kubernetes, Openshift**
* **Scripting : Python, Bash Shell, Go**
* **Configuration Management : Ansible**
* **Reverse Proxy : Nginx**
* **Security : WAF, Modsecurity, JWT, SSLcerts, GuardRail, Rate Limiting**
* **Monitoring Tools : AWS Cloud watch, OMS, ELK and Prometheus,APM**
* **Build Tools : ANT, Maven**
* **Version Tools : GIT**
* **Bug Tracking Tool : Atlassian JIRA**
* **Infrastructure Code : Terraform**
* **API Gateways : Kong, Istio**
* **Testing : JMeter**
* **Database : MySql, Redis**
* **Projects Platform : Java, Android,NodeJs,iOS**

**Organization #3: AirAsia Travel Com Sdn Bhd, Malaysia**

**Company profile:**

AirAsia Berhad is a Malaysian low-cost airline headquartered near Kuala Lumpur, Malaysia. It is the largest airline in Malaysia by fleet size and destinations. AirAsia Group operates scheduled domestic and international flights to more than 165 destinations spanning 25 countries

**Work Period:**

Jan 2020 to Present.

Project Name : AirAsia (Airline)

Client : Malaysia

Role : Senior Devops Engineer

Environment : Linux, GCP, BashShell,Python , Docker, Kubernetes, GitlabCI, Git, Jira,Nginx

**Project Title:**

GCP and DevOps practice for hosting AirAsia web application, Android and iOS applications on cloud. The AirAsia website was to be deployed on GCP cloud with added features of high availability and scalability.

**Devops Responsibilities:**

* Manage **GCP** Operations.
* Manage and Configure Nginx web servers by using **GitlabCI**.
* Writing **Terraform** scripts to make automate the infrastrecture (GCP) like **Compute Engine, App Engine, Kuberneters Engine, Cloud Functions, CloudRun, IAM,NAT, APIs and Services, Firewalls, BigQuery, LBs, Storage, MySql, Redis.**
* Responsible for GitLabCI for CICD process to deploy applications into **GKE, GAE, static web hosting.**
* Managing and Configuring **GitLab Runners on Kubernetes** pods.
* Building CICD using .**gitlab-ci.yml**
* Experienced in API services like **Kong, Istio.**
* Managing **API’s along with JWT tokens,CROS etc.**
* Experience Kubernetes Objects like **Deployments, Statefulsets, ConfigMaps, Secrets, Nodes, Services Namespcaes, Replicas etc.**
* Experienced Kubernetes along with **Helm** and Managing multiple and dynamic envoriments using **Kustomize**
* Experienced in k8s troubleshooting issues.
* Worked with **Kubernetes Operators** on Stateful applications.
* Experienced **Istio** sevices like **Telemetry, Envoy, EnvoyFilters, Gateways, Virtual Services, Destination rules etc.**
* Experienced with **Kiali dashboards**.
* Building **Docker images with Kaniko and** Experineced **with Docker file and docker-compose**
* In charge of creating **different IAM users to system administrators** and **developers** by creating custom policies.
* Working with **Service accounts in IAM**
* Responsible for automating and improving infrastructure using **Terraform and Ansible** for configuration management.
* Experience with **Terraform Modules, TF State files** and **Module Upgradation** etc.
* Developed **Terraform Modules** to automate Infra on **GCP**
* Experienced with **Ansible Playbooks and roles with multiple module** like **copy,file, fetch, ec2, db,gatherfacts** etc.
* Configuraing and **Managing Nginx Reverse Proxy**.
* Troobleshooting on **Nginx proxy route** issues.
* Using Regex and **upstreams** in Nginx conf files.
* Responsible for Managing Nginx logs using **Grafana and Prometheus. SSL cert experiation alerts**
* Experience **with Automation using Bash and Python Scripts.**
* Experience and Managing **DNS services like A, CNAME, SubDomains** etc.
* Configured Internal and **external Domain Names using Alibaba Cloud.**
* Experienced with Security services like **IAM, WAF(Web Application firewall, ModSecurity, JWT(JavaScript Web Tokens), SSL certs, Rate Limiting, GuardRail**
* Experienced **with CDN (Content Delivery Network)**
* Experience with **JMeter load testing**.
* Experience with Monitoring tools, **ELK (Elastic search, Log stash and Kibana), APM(Application Performance Monitoring), Grafana and Prometheus.**
* Experinced with **F5 load Balancer, PageDuty, Zenduty , Naviter services etc.**
* **Experienced with Yaml and Json formats and Run Makefile with Shell scripts**.

**Organization #2: Daimler AG, Malaysia**

**Company profile:**

Daimler AG is a German multinational automotive corporation.Daimler AG is headquartered in Stuttgart, Baden-Württemberg, Germany.Daimler is the thirteenth-largest car manufacturer and is the largest truck manufacturer in the world.

**Work Period:**

June 2018 to Dec 2020.

Project Name : Daimler AG (automotive corporation)

Client : Japan/Singapore

Role : Senior Devops Engineer

Environment : Linux, AWS, BashShell,Python,Ansible, Docker, Kubernetes, Jenkins, Git, Bitbucket, Jira

**Project Title:**

AWS cloud and DevOps practice for hosting Daimler internal web application on cloud. The Daimler Customer Portal was to be designed on AWS cloud with added features of high availability and scalability to accommodate requests from 90K users for bill generation a part of the functionality being hosted on physical machines.

**Devops Responsibilities:**

* Build and Release Management, Change/Incident Management and Cloud Management.
* Worked on facts, forks, and **plays in ansible while configuring the infrastructure.**
* MAVEN as build tools on Java projects for the development of build artifacts into QA,UAT and Production
* Designed and implemented GIT metadata including elements, labels, attributes, triggers and hyperlinks.
* Used **Jenkins for CI and CD purposes** and build failure alerts and management of various build tool plugins like Maven.Extensive experience in SCM, Change/Incident Management, VMware and AWS Cloud Computing
* Experience with and through understanding of automated implementation/deployment of a cloud based infrastructure (**Web apps, Application Service Environments, firewalls, load balancers, storage, monitoring, security, DNS etc**.)
* Extensive experience using **MAVEN and ANT** as a Build Tool for the building of deployable artifacts from source code
* Experience in working on source controller tools like Subversion **and GIT**
* Experienced in Administration of Production, Development and Test environment's carrying Windows, **Ubuntu, Red Hat Linux, Centos and Solaris servers**.
* Automated the process of creating Infrastructure using **Terraform and Ansible**.
* Writing **Terraform** scripts to make automate the infrastrecture like (AWS) like **EC2, IAM, RDS, ELB, EBS, S3, Cloud Watch, Cloud Trail, Auto scaling**
* Worked on spinning different **(EC2 instances**) VMs needed for running java services, UI and web methods components for Dev. and SIT and production environments within the Auto-scaling group.
* Maintaining & monitoring the complete infrastructure needed for the above projects.
* Writing **Python Scripts** to automate the **AWS services like EC2, IAM, RDS, ELB, EBS, S3, Cloud Watch, Cloud Trail, Auto scaling.**
* Written some of the corn jobs to notify the administrator when SQS Queue size reaches certain limit.
* Experience in LDAP and Jenkins Integration. Designed and developed integrated solutions through these DevOps tools, processes and procedures to facilitate the cost-effective delivery of services or fielding of products.
* Configured auto-scaling using SQS Queue metrics using **AWS CloudWatch**.
* Installing, configure ring including installing patches for different VMs running on J2EE and Software web methods on the cloud.
* Automated the Media-Encoding process **using AWS Lambda, AWS Elastic Transcoder, S3 and Glacier.**
* Worked on writing different automation scrips to help developers to interact with SQS and SNS
* worked on python scripts for automating the process of performing the backups and, monitoring the VM's and sending the notifications to SNS
* Responsible for continuous integration, Build automation and deployments. Used GitHub, Jenkins and Maven
* Responsible for automating and improving infrastructure using chef for configuration management.
* Configured Internal and **external Domain Names using Route 53 by using Simple**, Weighted and Fail-over Routing policies.
* In charge of creating **different IAM users to system administrators** and developers by creating custom policies.
* Used AWS Config to capture and track the configuration changes on AWS Environment.
* Designed and worked with team to implement **ELK (Elastic search, Log stash and Kibana) Stack on AWS.**
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Using Jenkins AWS Code Deploy plugin to deploy to AWS.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups, Optimized volumes and EC2 instances.**
* Managed Amazon Web Services like **EC2, bit bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM through AWS Console and API Integration with Asible Code.**
* Developed python modules to automate processes **in AWS (AWS cloud formations/ Ec2, both API)**
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And configuration automation using Docker containers.
* Scripting in multiple languages on **UNIX, LINUX and Windows - Batch, Shell script etc.**
* Maintenance and administration of **Linux, providing support via Ticketing System**.
* Created **user accounts, groups and assigning privileges** to them.
* Installation and configuration of **Red Hat Enterprise Linux**.
* Troubleshooting on various issues of Linux box.
* Network File system Administration for Servers and **Clients, Importing Exporting File systems, Troubleshooting NFS.**
* **User management:** Creation, Deletion, Assigning rights/privileges to users as per ticket/approval.
* Managing **File System, creation/extend as per Change Management Policy**.
* Taking **Daily backup and Daily reports**.
* Checking disk space and the replication from production to replication server.
* Solving the issues based on customer requirements.
* NFS server configuration and maintenance.
* Use of **LVM for dynamically extending and reducing partitions.**
* **DNS server configuration** and maintenance.
* Troubleshooting the technical problems
* Customization the application with required features
* Remote system administration using tools **like Ssh, Telnet, and Rlogin**.
* Installing packages through **RPM, YUM**.
* Automation of jobs through **crontab**.

**Organization #1: Concentrix Technologies, Bangalore**

**Company profile:**

Concentrix, a wholly owned subsidiary of [SYNNEX Corporation](https://en.wikipedia.org/wiki/SYNNEX) (NYSE: SNX) since 2006, is a leading business services company.[[4]](https://en.wikipedia.org/wiki/Concentrix#cite_note-4) Its parent, SYNNEX sits at number 212 on the Fortune 500 listing.[[5]](https://en.wikipedia.org/wiki/Concentrix#cite_note-5) Concentrix is headquartered in Fremont; CA. Concentrix has over 100,000 staff that delivers solutions and services in 40+ languages from over 125+ delivery centers on six continents.

**Project Name** : Texas instruments (Semiconductor manufacturing company)

**Client**  : Texas

**Role**  : Build & Release Engineer

**Environment**  : Linux, Azure,GIT, Maven, Jenkins, Chef, Ansible, Docker, GitHub, JFROG Artifactory

Project Title:

Azure cloud and DevOps practice for developing Texas Instruments web application on cloud. The Texas Instruments Customer Portal was to be designed on Azure cloud with added features of high availability and scalability to accommodate requests from 62K users for bill generation a part of the functionality being hosted on Virtual machines.

**Devops Responsibilities:**

* Please use my Site <https://naveennimmala.website/> to get more details about this project roles and Responsibilities

Declaration:

I hereby, declare that the above information is true to the best of my knowledge and belief.

(Naveen N)