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| **DevOps Engineer**  **Mohan G**  **Email: mohancggrl@gmail.com** Mob No: +91 9966991681 | |
| Technical Profile & Skill set  Operating system:  **UNIX, Red Hat, Cent Os, Ubuntu, Windows.**  Build Tools:  **Maven, Ant**  Version Control Tools:  **GIT/GIT Hub, Git Lab.**  Web Servers:  **Nginx, Apache HTTPD**  Application Servers:  **Apache Tomcat, Wildfly, Jboss.**  CI Tools:  **Jenkins, GitLab CICD.**  Monitoring Tools:  **Cloudwatch, Splunk, AppDynamics.**  Cloud Technologies:  **AWS (** EC2,S3, VPC, IAM, Cloud Formation, CloudWatch, Cloud Formation, EBS, Route 53, RDS, Load Balancer, Auto scaling, Lambda, Api Gateway and Cognito pool **)**  Database:  **MySQL, MS SQL.**  Configuration Tools:  **Ansible, Playbook Development.**  Scripting Language:  **Shell & Bash Scripting.**  Containerization:  **Docker, ECS, Kubernetes.**  Artifactory:  **Nexus, Amazon S3, Jfrog.**  Defect tracking tool:  **Jira.**  Networking Protocols:  **TCP/IP, SSH, DNS, HTTP, RDP.**  Provisioning Tools:  **Terraform, Cloud Formation, Boto3.** | Career Objectives  Having 4+ years of hands-on experience with software domain includes operational and administration of products. Seeking for growth-oriented position and good environment where my knowledge and experience can be shared and enhanced.  Skill Summary (DevOps & AWS And Admin)   * Around 4+ **years** of experience in IT Industry as a **DevOps, Build and Release Engineer and Ansible Developer.** * Maintained & Configured **On-premises** & **Cloud Data-Center’s** * Involved in designing and deploying a multitude application utilizing almost all the **AWS** stack (Including **EC2, Route53, S3, RDS, VPC, ELB, Cloud Watch, IAM, SNS, Cloud Trail, ECS, EBS**) focusing on high-availability, fault tolerance, and auto-scaling. * Hands-on Experience in configuration of **Network architecture** on AWS with **VPC, Subnets, Internet gateway, NAT, Route table and VPC Peering.** * Configured **Elastic Load Balancers** with **EC2** Auto scaling groups. * Worked on core AWS services such as Setting up new **server (EC2) instances/services** in AWS, configuring **security groups**, and setting up **Elastic IP's**, **auto-scaling** configuration, and **Cloud Formation**. * Utilized **Linux** Admin skills on deployment servers to make sure the servers are running as expected. * Installation, Configuring, troubleshooting and maintaining the **Tomcat server** and **Apache web server.** * Used Java programming, related code files, config files & package mechanisms (**JAR, WAR & EAR packages**) & provided optimal mechanism to **build application** packages. * Worked as **GIT/GIT Hub** administrator as part of my role and monitored the repository for various issues. * Experienced in design and maintenance of the **GIT** repositories * Developed Build and Release management - **GIT, Maven, Jenkins administration, Nexus**. * **Troubleshoot** the build issue during the Jenkins build process. * Used **MAVEN** as a build tool on java projects for the development of build artifacts on the source code. * Hands on experience on Configuration, Administration and Maintenance of CI tools **Jenkins.** * Extensive Experience in **Jenkins master-slave** for multi machine builds. * Hands experience on Amazon EC2 cloud deployments using DevOps tools like Jenkins and ansible. * Hands on experience with Configuration Management Tool such as **Ansible.** * Hands on experience on **playbook development** in different kind of environment like **Unix and windows**. |

* Build Management – Experience in tools such as Jenkins, Maven, and Nexus for build management.
* Having knowledge on setting up and managing Docker private repository.
* Good Knowledge on Ec2 container service **(ECS)** and **Docker engine** to deploy the **micro services-oriented** environments for scalable applications.
* Good Knowledge on automating deployment, and management of Containerization and repository like **Docker**
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Implemented **Terraform** modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Experience in administration of databases like **MySQL, MS SQL Server.**
* Implementing a Continuous delivery framework using **Jenkins, Ansible, Maven& Nexus** in **Linux** environment.
* Good experience on monitoring tools like **Splunk and Amazon Cloud Watch** to maintain various systems on different environments.
* Monitor Nightly builds every day morning and update the respective dev team if there are any issues.
* Followed best practices, optimize processes, adapt new technologies, quick learner and hardworking individual.
* Participated in release level discussions and gone through the total **SDLC and Agile process.**
* Automated the deployments to **DEV** and **QA** Environments by picking up builds from **Jenkins using ansible.**
* Worked with different Ansible playbooks and maintain different Ansible roles.
* Tracking defects using Defect Tracking Tool like **JIRA**.

Professional Experience

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| **Company Name** | **Designation** | **Duration** |
| Microland | Associate Architect | Nov 2020 to till date |
| Mphasis | Automation Developer | March 2019 to Nov 2020 |
| Shovel technologies | Software Engineer | May 2018 to March 2019 |

Professional Qualification

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| **Qualification** | **University** | **Year of Passing** |
| MCA | VSU University | 2018 |

Career Snapshot

**Project #1**

Project : VCS

Client : Verifone

Role : Associate Architect

Duration : Nov 2020 to Till date.

**Synopsis:** Verifone is an American multinational corporation headquartered in Coral Springs, Florida, that provides technology for electronic payment transactions and value-added services at the point-of-sale. Verifone sells merchant-operated, consumer-facing and self-service payment systems to the financial, retail, hospitality, petroleum, government and healthcare industries. The company's products consist of POS electronic payment devices that run its own operating systems, security and encryption software, and certified payment software, and that are designed for both consumer-facing and unattended environments.

* Creating and Building jobs, CI/CD, and Configuration, trouble-shooting of Jenkins.
* Creating Ansible playbooks for different environment as per requirement
* Creating Jenkins pipeline for CD Jobs and automation scripts.
* Created Ansible Playbooks for Push Button Deployments through Jenkins.
* Creating Jenkins master and slave machines for different environments.
* Configured Security group for EC2 Window and Linux instances.
* Configuring and Networking of Virtual Private Cloud (VPC)
* Used Security groups for instances and configured NACLS in Virtual Private Cloud (VPC)to manage network security.
* Create/Managing buckets on S3 (CLI) and store db. And logs backup, upload images.
* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Created Terraform script for infra provision in AWS environment.
* Automated many AWS resources using terraform script.
* Create Python script for artifactory sync with rpm’s
* Create many python script for developers different kind of requirement.
* Working On Kubernetes using EKS for Different kind of micro services.

**Project #2**

Project : Fedex – Pegasus

Client : Fedex

Role : DevOps Engineer

Duration : March 2020 to Nov 2020.

**Synopsis: FedEx** Corporation will produce superior financial returns for its shareowners by providing high value-added logistics, transportation and related business services through focused operating companies. Customer requirements will be met in the highest quality manner appropriate to each market segment served.

**Responsibilities:**

* Created users, repositories, branching, tagging and users on the Git version control system.
* Implemented continuous integration using Jenkins.
* Creating and Building jobs, CI/CD, and Configuration, trouble-shooting of Jenkins.
* Deploying the Jar and war into Tomcat Application Server.
* Build scripts using **ANT and MAVEN** build tools in Jenkins to move from one environment to other environments.
* Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs
* Managed **Sonatype Nexus repositories** to download the artifacts (jar, war & ear) during the build.
* Created **Jenkins** CICD pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for Code quality check.
* Integrated **SonarQube**with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
* Utilized **Kubernetes**for the runtime environment of the **CI/CD**system to build, test deploy.
* Writing **build (Maven) and deployment**scripts (Shell) to automate **build** and deployment of the application
* **Kubernetes**is being used to orchestrate the deployment, scaling and management of **Docker**Containers.
* Used **Jenkins pipelines** to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes**
* Creating **Ansible Playbooks**, to Deploy VM and install the Components as per requirements.

**Project #3**

Project : Bionix

Client : DXC Technologies

Role : Automation Developer

Duration : March 2019 to March 2020.

**Synopsis:** DXC Bionix is our approach to intelligent automation at scale. Platform DXC is our digital generation delivery platform for services delivery. With solutions powered by Platform DXC, customers can maximize performance and value of their IT estate to accelerate their business transformation.

**Responsibilities:**

* Created repositories, branching, tagging and users on the Git version control system.
* Creating Ansible roles.
* Configuring and maintaining Ansible, implementing playbooks and pushing them to Ansible nodes.
* Maintained Ansible playbooks using Ansible roles, Ansible Galaxy, utilized combination of different module in Ansible playbook with YAML scripting to configure the files on remote servers.
* Created Ansible Playbooks for Push Button Deployments through Jenkins.
* Involved in writing various complex custom Ansible playbooks for deployment orchestration and developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
* Involved working on Ansible as configuration management tool to automate repetitive tasks and to deploy applications
* Using Ansible Vault in playbooks to protect sensitive data.
* Using Tracking defects and Creating Tickets using Defect Tracking Tool like **JIRA**.
* Developing PowerShell Scripts as per client requirements.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; Blocking suspicious ip/subnet via ACL.
* Performed S3 buckets creation, policies and on the IAM role based polices and customizing the JSON template.
* Create/Managing buckets on S3 (CLI) and store db. And logs backup, upload images.
* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud watch, SNS.
* Created users, repositories, branching, tagging, and users on the Git version control system.
* Creating and Building jobs, CI/CD**,** and Configuration**,** trouble-shooting of Jenkins.
* Deploying the Jar and war into Tomcat Application Server.

**Project #4**

Project : SunTrust, USA

Client : SunTrust

Role : DevOps Engineer.

Duration : May 2018 to March 2019.

**Synopsis:** SunTrust Banks, Inc. is an American bank holding company. The largest subsidiary is SunTrust Bank. SunTrust Bank's most direct corporate parent was established in 1891 in Atlanta, where its headquarters remain. The bank's primary businesses include deposit, credit, trust and investment services. Through its various subsidiaries, the company provides mortgage banking, asset management, securities brokerage, and capital market services.

**Responsibilities:**

* Launching and configuring of Amazon EC2 Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications
* Configuring and Networking of Virtual Private Cloud (VPC)
* Used Security groups for instances and configured NACLS in Virtual Private Cloud (VPC)to manage network security.
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Created users and groups using IAM and assigned individual policies to each group.
* Created load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
* Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Created users, repositories, branching, tagging and users on the Git version control system.
* Implemented continuous integration using Jenkins.
* Installed and configured Jenkins with different tools (plug-ins) for continues integration process.
* Creating and Building jobs, CI/CD, and Configuration, trouble-shooting of Jenkins.
* Deploying the Jar and war into Tomcat Application Server.
* Automation scripts, configuration management and Deployment in Ansible.
* Experience in building, maintaining and coordinating an automated build/ release from development to production environment
* Configured Security group for EC2 Window and Linux instances.
* Installed, configured and administration of Tomcat Application Server Network Deployment on Linux, UNIX and Windows Server
* Deployed application packages on to the Apache Tomcat server. Coordinated with software development teams and QA teams.
* Monitored the automated build and continuous integration process to ensure correct build execution and facilitate resolution of build/ release failures.
* Involved in implementing deployments into AWS EC2 with the help of Terraform.

**Mohan G**