**ANIL KUMAR**

**Email :** anilkumar9atp@gmail.com | **Mobile: +91-** **9491305853**



# Objective:

Well versed in software production, development life-cycle and release of software products looking for a responsible position as a DevOps Engineer in an Established IT firm.

# Summary of Experience:

* Totally having **3.7 years** of experience in IT in which having **3+ years** of experience in AWS DevOps Engineer, Build and Release, Software configuration Management that includes.
* Exposed to all aspects of Software development life cycle (SDLC) and Experienced in Waterfall, Scrum/Agile Methodology which mainly focused on Continuous Integration and Continuous Deployment Principles.
* Working experience and knowledge with broad range of **AWS Cloud Services** like **AWS EC2, ELB, Auto Scaling, VPC, AWS Route53, RDS, AWS S3, IAM, AWS Cloud-Watch, Lambda.**
* Administration, deployment, automation and managing experience of various Version Control Systems like **GIT, GitHub.** Also have Experience in Branching, Merging, Tagging and maintaining the versions across the environments using SCM tools like **GIT** on **Linux** platforms.
* Installed and configured **Jenkins** for continuous integration and performed continuous deployments.
* xpertise in automating builds and deployment process using Bash scripting, PowerShell scripting and Shell scripting with focus on **DevOps tools**, **CI/CD**.
* Hands on experience in **JIRA** for creating bug-tickets, storyboarding, pulling reports from dashboard, User and ticket management and managed all bugs and changes into production environment using the Jira tracking tool.
* Implemented and administered deployment automation process using **Jenkins, Ansible, Docker, Kubernetes, and GITLAB.**
* Used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using **Ansible** Playbooks.
* Integration of Automated Build with Deployment Pipeline. Installed Ansible Server and clients to pick up the build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Worked with container-based deployments using **Docker**, working with Docker images, **Docker Hub** and Docker-registries and **Kubernetes**.
* Developed build using **MAVEN** as build tool in Jenkins to move from one environment to other environments. Experience in implementing Continuous Integration and deployment using various CI Tools like Jenkins.
* Troubleshoot and resolve build failures due to infrastructure issues. Setup and executed process to code review system effectively.
* Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects.
* Closely worked with developers, project managers and product owners to setup the road map, and supported day to day build issues.
* Worked on fast iteration cycles and tight deadlines.

# Work Experience:

* Working as Software Engineer in Tech Mahindra, Chennai from March 2019 to Till Now

# Technical Skills :

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| --- | --- |
| **Operating Systems** | Windows, Linux, Unix |
| **Version Control** | GIT |
| **Continuos Integration Tools** | Jenkins |
| **Configuration Management** | Ansible |
| **Build Tools** | Maven |
| **Cloud Services** | Amazon EC2,AWS VPC, Security Groups, ELB, IAM, Cloud Formation,RDS,S3,AWS Cloud Watch, AWS CLI, Route 53 |
| **Infrastructure Provisioning** | Terraform |
| **Containerization Tool** | Docker |
| **Orchwstration Tool** | Kubernetes |
| **Ticketing Tool**  **Scripting Language**  **Monitoring Tools** | JIRA  Shell Scripting  Cloud Watch, Prometheus |

**Education Qualification:**

* Bachelor of Technology (B.Tech) from JNTUA College of Engineering -2017.

# Project Details: Project #1

**Title : Gpayroll**

**Environment** : GITLAB, MAVEN, Jenkins, Tomcat, Linux, Docker.

**Role** : DEVOPS Engineer

Duration : April - 2021 to Till Now

**Description** : Gpayroll is an easy to use, self-run payroll service with an intuitive and automated system that helps business owners focus on their core business without the hassle of managing payroll. Gpayroll provide a comprehensive online payroll solution for your CDF filings, tax declaration, and salary payments feature.

# Roles and Responsibilities:

* Setup GITLAB creating branches, tags, creating Users and Groups, assigning permissions.
* Involved in code merge.
* Setup and configured Jenkins, created jobs for automating the build process.
* Configured the Plug-ins in Jenkins.
* Monitor and fix the continuous integration builds running in Jenkins.
* Scheduling nightly build and deployment activities for Dev and Staging environments.
* Troubleshooting the compilation errors and provide the technical support to the developers team on that issue.
* Troubleshooting application related issues by log verification.
* Setup and configuration of Tomcat, creating multiple instances of Tomcat.
* Given presentation on GITLAB and Jenkins.
* Effectively communicated with the project team members in sending the deliveries without delay.
* Extensive experience on Jenkins, Docker, for continuous integration and end to end good understanding of Software Development Life Cycle, Testing Life Cycle.
* Installing and configuring applications on AWS EC2 Instances.
* Experience in automating the infrastructure in AWS using web services.
* Configuring and Scheduling CRON jobs on Linux servers.

**Project #2** : **Procurant Platform**

Duration : Sep - 2019 to March- 2021

Team Size : 05

Role : AWS Cloud Engineer

**Description:**

Procurant platform is a multiples apps build on the top of micro services which will be used by Buyers, Suppliers and Carriers. Buyers able to cut the Purchase orders which are fulfilled by Suppliers with help of Carriers.It is a B2B application. It involves process from cutting the purchase order to ship an order the buyer.

**Roles and Responsibilities:**

* Created scripts in Python which integrated with Amazon API to control instance operations.
* Designed, built and coordinate an automated build & release CI/CD process using Gitlab, Jenkins and Puppet on hybrid IT infrastructure.
* Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SWF, Amazon SQS, and other services of the AWS infrastructure.
* Running build jobs and integration tests on Jenkins Master/Slave configuration.
* Managed Servers on the Amazon Web Services (AWS) platform instances using Puppet configuration management.
* Involved in maintaining the reliability, availability, and performance of Amazon Elastic Compute Cloud (Amazon EC2) instances.
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
* Responsible for monitoring the AWS resources using Cloud Watch and also application resources using Nagios.
* Created AWS Multi-Factor Authentication (MFA) for instance RDP/SSH logon, worked with teams to lockdown security groups.
* Involved in complete SDLC life cycle - Designing, Coding, Testing, Debugging and Production Support.
* Installed/Configured/Managed Puppet Master/Agent. Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Up gradation or Migration of Puppet Community and Enterprise.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Branching, Merging, Release Activities on Version Control Tool GIT. Used GitHub as version control to store source code and implemented Git for branching and merging operations for Java Source Code.