**DevOps Engineer**

HAREKRUSHNA SAHOO

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**OBJECTIVE**

To pursue a successful career in a reputed organization and excel in the IT field by working for the development of the organization and self. I excel at doing whatever needs to be done to keep functioning a company at peak efficiency, which uses IT for its daily operation.

**WORK EXPERIENCE**

* Currently working as a DevOps Engineer at Accenture Solution PVT Ltd, Bangalore.

**PROFILE SUMMARY**

* Having 5 years of IT experience in executing the build process, build automation and Proficiency with Configuration Management tools, worked on infrastructure with Docker containerization, application maintenance & L1-L2 Production / Non-Production support / environment management as well as application migration.
* Proven experience on create branching and Tagging concepts in Version Control tool like GIT.
* Proven experience on Build Tools like Maven and in configuration management tool like Ansible.
* Used Ansible Playbooks and inventories to setup Continuous Delivery Pipeline.
* Good experience in automating build process using Jenkins tool.
* Worked on Dockers Including Docker Installation, Creating Images and Containers.
* Developing Docker images to support Development and Testing Teams and their pipelines.
* Experience in push Docker image to private repositories and pull image to our local environment.
* Experience in Docker image health checkup and Docker Tag creation.
* Administrating the containerization platform using Kubernetes orchestrator and Kubernetes for application deployment.
* Experience in installation and setting up Kubernetes cluster and upgradation of cluster on AWS.
* Created Kubernetes deployment, services, stateful sets, Network policy, Jobs, cronjobs, Pod affinity, pod anti-affinity, Kubernetes dashboard.
* Created Storage class, Persistent volume, Persistent volume claim for Kubernetes Pods.
* Experience in setting up EC2 instances, security groups and Setting up applications and databases in AWS.
* Experience in working with Amazon Web Services (AWS), Creating EC2 Instances and configuring all web Services like EC2, S3 bucket, ELB, VPC, VPN.
* Good in developing scripts, UNIX shell scripts for the automation of the monitoring of the application.
* Writing Shell script to automate Manual task, generating report from the log file, Martialized view refresh.
* Writing crontab scripts & deploying them to run scheduled jobs.
* Experienced in infrastructure as code provisioning tools like Terraform, using most of the AWS services like EC2,S3, IAM,ELB,VPC etc.
* Analyzing application logs in order to determine the possible cause of issues and reporting errors directly to the Dev team.
* Responsible for Creating and maintaining builds and Administering Jenkins and Involved in Deployment related activities.
* Worked on Oracle Joins, Queries, Sub Queries, Nested Sub Queries, Inline views, Indexes and Procedural Language(PL/SQL). Create and maintain database objects as per the client’s requirements.
* Executing the batch jobs manually and taking necessary actions based on the reason for job failure.
* Resolving the production issues within the SLA/OLA.
* Involved in developing day to day data flow from the up streams system (front offices) to downstream system.
* Interacting with the client and dependent teams over calls and through emails while working on various production issues/production launches.

**TECHNICAL SKILLS**

* Operating Systems : Linux,UNIX,Windows
* Build Management Tool : Maven
* Application Server : Apache Tomcat
* Continuous Integration Tool : Jenkkins
* Web Server : Apache HTTP
* Configuration Management Tool : Ansible
* Containerization Tool : Docker
* container-orchestration Tool : Kubernetes
* Cloud Tool : AWS
* RDBMS : Oracle SQL, PL/SQL,FILEMAKER
* Scripting Languages : Shell scripting, YAML
* Scheduling tool : Autosys, TNG, Crontab
* Ticketing tool : JIRA ,Service now
* Other Tools & Utilities : Sonarqube, Nexus, Datastudio,SQL DEVLOPER, PUTTY, Winscp

**ACADEMICS**

B.TECH in Electronics and Communication Engineering from BPUT, Orissa in the year 2012.

**PROJECTS DETAILS**

**PROJECT#1**

* Project : Environment Management Support
* Client : AXA XL Global Insurance
* Technologies : Git, Jenkins, Ansible, Maven, Sonarqube, Nexus, AWS, Docker, Kubernetes, Openshift,

Terraform

* Database : MySQL
* Application Server : Apache Tomcat7 Server

**BRIEF OVERVIEW OF PROJECT:**

Environments Management is a core application team which owns the system integration test and production environments and ensure they can support all work streams by improving the process control for moving the code between different environments/Phases. As a build engineer, the roles and responsibilities vary from oversee all enterprise releases of new applications and changes to existing applications to production environment using SDLC methodology. Coordinate the cross functional IT project teams including QA, UAT, Development and PM’s as required to successfully deliver weekly, minor and major releases to production in a timely manner while building relationships by maintaining regular contact with team management. Involve in Project management, knowledge transfers, documentation, identifying root cause for an incident and provide value added insight on application stability and sustainability.

**Responsible for:**

* Software Configuration management (Build and continuous Integration using Maven, Jenkins & Git).
* Created release branches in GIT by GIT Administration including branching, reporting and assisting with project and end user support.
* Creating CI/CD pipelines by integrating Git, Maven, Ansible, Sonarqube, Nexus, Jenkins, Monitoring Tools and AWS(Provisioning).
* Responsible for creating Builds and Deployments Plans.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a Jar, War, Ear.
* Perform Deployment of War files in Tomcat application server using Shell scripts.
* Hands on experience in installing and administrating CI tools like Jenkins and Git, Environments: Linux, Jnekins, Docker, GIT, Tomcat Server, Apache Server, Shell, Ansible, AWS Guidelines and published the reports.
* Automate the build Process using Jenkins jobs.
* Containerization of different applications using Docker.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Installation, configuration and maintenance of service mesh - Istio inside K8s cluster.
* Work closely with Platform Engineering to build the best of containerization platforms to run services.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Kubernetes & Bash.
* Management of various EC2 instances with Security group, Elastic Load balancer (ELB).
* Configuring Auto scaling & load balancing.

**PROJECT#2**

* Project : Atlas 2 APAC V4 ID Migration
* Client : BNP Paribas India Solution
* Domain : Banking Domain
* Technologies : UNIX,ORACLE,AUTOSYS,COBOL
* Team size : 6

**BRIEF OVERVIEW OF PROJECT:**

Atlas 2 APAC V4 ID Migration project is to migrate the atlas2 application technologies from V3 version to V4 version .The technologies which were used in V3 Atlas2 are Oracle 9i, Unix 5.3.0 , job scheduler as TNG(The next generation) and unikix 8.1 and these are migrated to the higher version of Oracle 11g,unix 8.3 ,unikix 11.1 and job scheduler is changed to Autosys . So the performance of the application has increased.

**Responsible for:**

* Creating multiple Environments and file structures in UAT,SIT,DEV,PRE-PROD(staging) and PROD server.
* Moving components from production to test environment through SFTP and refreshing components in multiple Environments.
* Building unikix in environments and helping middle ware team to setup multi-EAR link to environment.
* Converting TNG jobsets to autosys abstraction layer format.
* Executing batches in test environment. Executing EOD/EOM , supplementary in test Environment.
* Involved in writing and executing shell script to automate the manual task.
* Scheduling and executing Jobset in autosys.
* Updating the jil file in Autosys.
* Restoring production data dump in test environment.
* Interacting with Client (UAT Team) to share the testing results.
* Component dependency Check.

**PROJECT#3**

* Project : Atlas Run
* Client : BNP Paribas India Solution
* Domain : Banking Domain
* Technologies : SQL, PL/SQL, UNIX, AUTOSYS
* Team size : 15

**BRIEF OVERVIEW OF PROJECT:**

Atlas Run is a Global Management Information system. It is Responsible for collecting and reporting data in various ways. Atlas Run collects, aggregates, maps and stores incoming data. Once the data is in the Atlas Run core, data is used to report market figures and run var calculations. Atlas Run primary aim is to provide senior business management with a single point of access to all the information they need to run the business. Atlas Run having two application as Atlas2 and Infocenter. To decrease load on existing database Atlas2, Atlas Run provides daily and Monthly files to Infocenter. Daily and monthly reports are generated from Infocenter, so load is degraded from Atlas2.

**Responsible for:**

* Create/alter/rebuild tables, views, sequences, synonyms, indexes, constraints.
* Programming packages, procedures, functions, triggers, cursors.
* Writing SQL Queries using joins, sub queries, co-related sub queries.
* Perform data loading into tables and extraction into excel sheets.
* Monitoring database, table space usage, check disk utilization, CPU Utilization
* Application/database Health checks at regular intervals.
* Daily status updates through mail.
* Resolving tickets as per SLA’s.
* Run Shell Scripts, SQL statements for monitoring activities.
* Monitor and update cold backup activities and post backup activities.
* Checking process logs and status of jobs and Managing Log files and log information.
* Release of the components on Acceptance and Production Environment.
* Monitoring jobs as per the process requirement
* Monitored ticket queues, including tickets generated by client.
* Scheduling the jobs using CRONTAB/AUTOSYS and Analysis the logs and find out the root cause of the issue.
* Responsible for writing the SQL queries based on ad-hoc request of the report by user.

**Personal Profile:**

* Name : Harekrushna Sahoo
* Nationality : Indian
* DOB : 19-aug-1990
* Language : English, Hindi, Odia