

BHRIGU SHARMA 

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# OBJECTIVE

# As a DevOps Engineer, my objective is to strengthen the company’s applications and system features, develop scripts and codes, and configure servers and maintain networks to reinforce the company’s technical performance. Part of this objective is to develop plans to implement infrastructure as a code methodology, ensure that Linux environment is performing at its optimum level, manage system backups and provide infrastructure support.

# Professional Experience

Adobe Systems Noida Uttar Pradesh India Nov 2015 – Present

DevOps Engineer

Roles and Responsibilities

Deploying and managing Kubernetes clusters to run Adobe’s Sensei machine learning workload over AWS. Contributed in python code we used to deployed k8 clusters on AWS.

Created Jenkins jobs to automate AWS K8 cluster upgrades using groovy DSL and Jenkins blue ocean plugin

Created CI/CD pipeline for using Jenkins pull request builder plugin using groovy pipeline to automate docker image creation deployment on k8 cluster when pull request is made against master branch.

Created Jenkins pipelines in groovy DSL migrated manually created Jenkins jobs to Jenkins pipeline manage it via git

Manage Adobe Ecommerce AWS infrastructure and Jenkins build server create Jenkins jobs for CI and CD using AWS Cloudformation terraform tool. Configured sonarcube quality gates for different java projects.

Deploy manage and support VM infrastructure of Adobe Digital Learning Services, Partner enablement and MSA hosted over AWS and Global labs hosted over VMware Vcenter and Vcloud ensure training environments are provisioned in time and decommissioned once training is over. Manage VPC operations automating vpc setup and configuration via AWS cloudformation template.

Automated provisioning process from manual deployment via AMI to automated deployment using ansible shell scripting rundeck for ACS (Adobe Campaign Standard) and Campaign V6 which deploys and installs application from the scratch with one click over AWS.

Automated provisioning process for AEM provisioning from manual deployment via AMI to automated deployment with rundeck shell scripting ansible making deployment process one click over AWS.

Created chef recipes and ansible playbooks to automate AEM deployment over AWS from the scratch.

Troubleshooting OS and application related issues reported by ADLS, Partner enablement and MSA consultants related to Campaign v6 ACS and AEM instances. Do Root cause analysis of errors ensure uptime of ec2 instances provide on call support to Adobe trainer and consultants.

Set up dev, staging and prod environment of AEM 5.6.1 over centos for [https://training.adobe.com/training/courses.html#](https://training.adobe.com/training/courses.html) configured jvm and server metrics monitoring using newlreic set alerts to avert production outages

Carry out cleanup activities on AEM prod servers like tar PM optimization, datastore garbage, workflow purge scheduler collection maintain uptime of site coordinating with Dev and QA teams in AEM configuration.

Securing EC2 instances via security groups and NACL. Creating rundeck jobs to automate existing manual operations work.

SSL certificate management

OS Patching and updating build Campaign v6, ACS, AEM build on EC2 instances.

Vulnerability tests and patching the vulnerabilities on ADLS prod site like poodle, heart bleed, Diffie-Hellman etc

Updated high availability environment and setup a Fault tolerance architecture for ADLS prod site by configuring Cold standby AEM prod author server.

Manage a Continuous Integration (CI) server (Jenkins) to configure Project Builds and ensure a consistently high quality build.

Introduced Docker into the CI/CD pipeline by creating working images of the environments so that we can quickly create demo environments. Build once and use forever type.

Bebo Technologies               IT Park, Chandigarh       May 2014 – Nov 2015

System Engineer

Worked in different projects and in internal IT support.

Project 1

Client:- http://www.livenationentertainment.com/

Provided Tier –I and Tier –II support on Amazon Webservices(AWS) infrastructure like setup configuration of monitoring tools like newrelic, cloudwatch, pagerduty,Pingdom. Ensuring uptime of all ec2 instances resoling OS related errors.

Launching new EC2 and RDS Mysql instances creating and managing stacks for Dev, QA, UAT and Production environments configured autoscaling on AWS Opsworks for EC2. Deploying apps on EC2 instances worked on customizing chef recipes for deploying app committed by dev team on github, package management via chef solo and deployment of app on AWS instances. Managed more than 50 AWS ec2 instances. Attending weekly scrum meetings with client. Setup VM from vagrant image for QA team.

The Client communication to discuss and understand various technical as well as the project related scenario and get them implemented in time.

Updated high availability environment and setup a Fault tolerance architecture on AWS with autoscaling, AMI creation, RDS backup.

Acknowledgment of alerts and providing the resolution in defined service level agreement (SLA) was the priority task.

Project 2

Client:- <http://www.mitratech.com/>

Provided support on Weblogic application server using Oracle DB in backend task included taking database backup using data pump schema creation troubleshooting issues like Java Heap memory monitoring Java Virtual machines deploying EJB WAR files on managed servers coordinating with Dev team. Maintaining underlying Linux severs troubleshooting OS and application related issues. Attending weekly scrum meetings

The Client communication to discuss and understand various technical as well as the project related scenario and get them implemented in time.

Project 3

Client:- http://www.hylamobile.com/#gref

Provided Tier-1 and Tier-2 support on DEV QA UAT and Production Linux servers. Did configuration of Nginx Haproxy Tomcat Elastic Cache Redis Rabibit MQ. Taking care of schema creation granting privileges taking backup and restoring Postgres DB configured master slave replication.

Coordinating with Dev team configuring Jenkin jobs for continuous integration and continuous deployments.

Customized Verification scripts to execute post-deployment steps.

Automating routine tasks like Database backups-restores using bash is one of the key tasks

Using Ansible for structure creation, user management over all servers was the latest activity.

Configured build jobs on Jenkins with maven and gradle build tool to compile code committed by developers on Github every day.

Worked on configuration management using ansible tool for user administration patch management infrastructure setup. Created bash scripts to start tomcat instances at reboot.

The Client communication to discuss and understand various technical as well as the project related scenario and get them implemented in time.

All documentations including process, guidelines, deployment plans, DR plans, and Wiki pages were managed.

Managed user level administrations over application servers as well as the database servers.

Acknowledgment of alerts and providing the resolution in defined service level agreement (SLA) was the priority task.

I was also responsible for PostgreSQL administration that includes installation, tuning along with backup and recovery.

Troubleshooting of Java related issues during deployment process.

# EDUCATION

* B.Tech in Electronics&Communication Engineering (2009-2013) 72.56%

U V Patel College of Engineering Kherva Mehsana Gujarat

* 10+2 from Kendriya Vidyalya No 2 Jammu Cantt J&K (2009) 79.2%
* 10th from Kendriya Vidyalya Samba J&K (2007) 83.6%

# CERTIFICATIONS

* RED HAT CERTIFIED ENGINEER (RHCE) CERTIFICATE NUMBER: 140-020-686
* RED HAT CERTIFIED SYSTEM ADMINISTRATOR (RHCSA) CERTIFICATE NUMBER: 140-020-686
* AWS Certified Solutions Architect - Associate (English)  Validation Number 2WWCN8RCBJ111D3S

# VOLUNTEER WORK/ORGS

* Member of Bhartiya Scouts and Guides from 2003 to 2009 got Rajya Puraskar.
* Went on trekking excursion to manimahesh in Chamba Himachal Pradesh attained height of 16000FT.
* Represented school in various science exhibitions