

**Anup Kumar Singh**

Designation: Module Lead

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Mobile: 91-9015930138

**OBJECTIVE**

An enthusiastic and hardworking DevOps professional with 7.2 years of career reflecting experience in System Integration and Administration, Infrastructure Automation, Cloud Migration, Build Automation along with excellent analytical and quick problem-solving skills.

**PROFILE SNAPSHOT**

* Currently associated with **IGT Solution Pvt Ltd.** as  **Devops Engineer**
* Experience in latest technologies **AWS Services, Git, Jenkins, Ansible, Docker and Terraform, Kubernetes, Rancher.**
* Proficient in creating standard scripts and yaml, infrastructure as code.
* Responsible for Smooth release with zero downtime deployments for all customers.
* Perform automation day to day tasks using bash scripting and ansible..
* Automated/Manual backup of RDS/EBS. Resource critical utilization alert notification via chat system “Microsoft Team”.
* Managing multiple projects and day to doing automation activities.
* Automated the build and deployment processes and implemented a test automation methodology like test driven development (TDD).
* System uptime and availability, monitoring of data centre environment, application servers

**TECHNICAL SKILLS**

* Cloud Technologies: AWS (VPC, EC2, IAM, S3,ECS)
* Infrastructure as code: Terraform
* Continues Delivery (CD) Tools: Ansible
* Continues Integration (CI): Jenkins, Jenkins Pipeline
* RBDMS Databases: MySQL
* Middleware Stack: Apache, Tomcat, Java
* Version Control Tools: GIT, Bitbucket
* Containerisation: Docker, Kubernetes
* Other Tools: Jira Software, Jira Confluence, Nexus3, Ryver, Mircosoft Team

**WORK EXPERIENCE**

**Current Employer: IGT Solutions Pvt Ltd**

Oct 2019 to Till Now**, Role:** Module Lead

**RESPONSIBILITIES:**

* Developed a standard CI/CD pipelines for MSA services which one we are using for multiple environment with same deployment process
* Implemented one click deployment with approval steps through Jenkins on Kubernetes cluster
* AWS cloud setup and implementation of server applications related to the company products.
* Write ansible playbook to automate all the manual deployment task and integrate ansible with Jenkins.
* Implement Rancher to manage all kubernetes cluster and integrate EFK with Rancher for manage all container logs at central server.
* Manage team and distribute daily task on team and provide support to them.
* Using JIRA to track all the activity on daily basis.

**Implement Rancher:**

**Project Summary:** Implement Rancher for manage all the Kubernetes cluster environment through Rancher GUI. Integrate EFK with rancher to manage all container logs.

**Previous Employer:**

**FranConnect India Software Pvt. Ltd. (India Office)**

**Jul 2016 to Till now, Role: Devops Engineer**.

**RESPONSIBILITIES**

* Working on Linux (Amazon, Custom AMI, Centos) servers along with creating and implementing services
* Perform automated build deployment through Jenkins pipeline over the production environment.
* Developed a standard CI/CD pipelines for MSA services which one we are using for multiple environment with same deployment process.
* Implemented one click deployment with approval steps and Jenkins tomcat restart.
* Handling and resolve escalated issues in multiple environment like CI, DEV, STAGE, QA, UAT, and PROD.
* Create snapshot and Restore and migration development server without reconfiguration servers.
* Participated in various application life cycle development steps from development, QA to production.
* Address all issues reported by monitoring tools, including escalation on issues.
* Follow regular Operations procedures and complete all assigned tasks during the shift.
* Root cause analysis of production issues and help write a report which includes details about the failure, the relevant log entries and likely root cause.
* Perform daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs.

**MISCELLANEOUS RESPONSIBILITIES**

* AWS : Managing aws services EC2, ELB, Auto Scaling, S3, VPC, ECS.
* **Jenkins Administration:** Once the job has been configured, then we initiate with the trigger of the build and build monitoring needs to be done by us. If any error comes into the way, then it is my responsibility to investigate the issue and accordingly rectify the same or intimate the respective culprit.
* **Automation Task:** Write shell script and ansible playbook to automate manual and complex task

## Designed & migrated on-premises applications on AWS

May 2017 to Jan 2018

## Team Size: 5

**Project Summary:** Designed high available, scalable & fault tolerance architecture of on- premises application on AWS and then migrated application most of the on-premises applications on the cloud.

## Designed & implemented Continues integration (CI/CD) Tool – Jenkins Pipeline

Nov 2018 to FEB 2019

## Team Size: 4

**Project Summary:** Designed & implemented CI solution for cloud host applications. Create Jenkins file to automate the deployment process. Migrated exiting Jenkins environment. Doing Blue and green process for deployed application services with zero down time.

## Implement Nexus as a private repository manager:

JUN 2018 to AUG 2018

## Team Size: 2

## Project Summry: Implemented Nexus as a private repository manager for manager private rpm, docker images and npm packages.

## Create ECS infra and implement micro services:

Jul 2018 to Jan 2019

## Team Size: 5

**Project Summary:** Create high availability ECS cluster and move micro services from Docker swarm cluster to ECS.

**Avis E Solution Pvt Ltd**

**Jul 2015 to Jul 2016, Role: Linux Administrator**

**RESPONSIBILITIES**

* Creating and managing Users and groups, Installing Packages using RPM and YUM installation.
* Deploy code through war file and run it through apache tomcat 8.0
* Configure shell scripting to take backup on daily basis.
* Configured samba for public share on local env.
* Configure asterisk server and configure multiple PRI for outbound and inbound call setup on call center

**COMPANY: Kalyani Geospatial Pvt. Ltd.**

**Apr 2013 – Jun 2015**

Work Location :**Lucknow**

Role : **Linux Administrator**

**RESPONSIBILITIES**

* Analyze and troubleshoot backup failures, Cron job failures and SSH login failures.
* Create and manage local users with permissions as per client need.
* Perform all duties relating to Linux system administration, hardware and software technical support, in a fast-paced, multiplatform, heterogeneous Linux environment.
* Configuring & Managing Database on MYSQL.
* Creation & deletion of users from MYSQL Database.
* Create and Manage User Accounts, Permissions and file systems.

**ACADEMIC QUALIFICATION (HIGHEST):**

* **B.A (Bachelor Arts )** from DDU University Gorakhpur**.**

**PROFESSIONAL & TECHNICAL QUALIFICATION**

* **RHCE (Red Hat Certified Engineer) on Enterprise Linux V 7.0**

**Certificate Number:** 150-082-824

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**ACHIEVEMENTS**

* Franconnect High Performance award "**Champ@Work**" in Dec 2018 and Mar 2019
* Received “**Best Employee of Quarter 2015**” award at Avis E solution Pvt Ltd**.**

**HOBBY AND SKILL**

* Playing cricket and chess.
* Day to day gain knowledge about new technologies and make a script with exit 0.

**ATTRIBUTE**

* Excellent analytical and quick problem-solving skills.
* Positive attitude, Quick Learner.

**PERSONAL DETAILS**

Name Anup Kumar Singh

Father’s name MR. Ugrasen Singh

Date of birth 06th Mar 1992

Marital status Single

Gender Male

Nationality Indian

Languages known English, Hindi

DECLARATION

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

Date: … Name: Anup K Singh

Place: .. Signature: