

# Akash Jaiswal

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## OBJECTIVE

Looking for an innovative and challenging environment that can fully utilize my capabilities and provide me with an opportunity to be part of the development of the organization.

## WORK EXPERIENCE

Currently working as DevOps Specialist with OpsTree with around 2 year of experience and well versed with knowledge over SRE Processes, Cloud Infrastructure (AWS|Alibaba), SCM (Ansible), CI/CD (Jenkins), and Linux Administration.

## TECHNICAL SKILLS

Cloud Infrastructure	:	<b>AWS:</b> EC2, ELB, IAM, VPC, NACL,Route53,S3,cloud Trail , Auto-scaling,RDS,Glacier, Lambda function ,SNS,SQS <b>Azure :</b> Resource group,Instance,AD,Virtual network ,AFW, private network. <b>Alibaba:</b> AKS(Kubernetes),ECS,SLB,OSS,WAF,RDS,MongoDB,Redis,VPC,CDN,RAM,Container Registry services
Scripting Languages	:	Python , Bash & Groovy
Continuous Integration	:	Jenkins
Orchestration tools	:	Ansible
Web Server	:	Apache, Nginx, Wildfly
Version Control	:	Git, Github, Gitlab, Bitbucket
Database	:	Mysql, Mongo ,Ms sql sever 2014, redshift
Operating System	:	Linux (Ubuntu & CentOS)
Build Tool	:	Maven
Containerization	:	Kubernetes & Docker
Monitoring Tool	:	ELK ,Zabbix ,sumo logic ,dataDog
Infra provisioning Tool	:	Terraform
Cron Manger Tool	:	Airflow

## KEY PROJECTS

### PROJECT @ OPS TREE NOC AND DEVOPS ENGINEER

Client is a Payment Wallet based company in Dubai .Customer can send and receive money to anyone instantly 24/7, pay at his/her favorite stores online and in-shop. Recharge mobile in a click or buy anything online.Earn cashbacks while customers spend too.

#### Roles and Responsibilities:

- Understanding the existing infrastructure , Business model Of Payments wallet based company.
- Help dev in day to day issues while deployment & release
- Complete automate the Deployed process on Jenkins with cover all best practices of CI/CD.
- Provide support the 24\*7 for production issues.
- Manage K8s cluster on Alibaba Cloud & on premise data center
- Automate select systems administration tasks through creation and maintenance of scripts and tools
- Provide monitoring support for all customer-facing services
- Automated AdHoc task like mysql & mongo user management on jenkins.
- Created Ansible role for Upgrading On premises k8s cluster with Zero downtime.
- Worked on Backeping the whole k8s cluster with Velero.
- Server configurations managed by Ansible.
- Look after all production level tech related issues & do RAC.
- Use terraform for infra provisioning.
- Work on mysql ,redis ,mongodb databases on Alibaba
- Working with services and utilities, Infrastructure development on Alibaba using various services like AKS(Kubernetes),ECS,SLB,OSS,WAF,RDS,MongoDB,Redis,VPC,CDN,RAM,Container Registry services.
- Hand on with different tool Jira, bitbucket
- Create & achieve Continuous deployment with full automation using jenkins & python.
- Managing the ELK setup on k8s cluster.

### PROJECT @ OPS TREE NOC AND SRE ENGINEER

Client is a finance based company which provides card less loan to customers.. Using its completely online process you can pay for your entire cart amount in EMIs of customer choice. It has one of the highest approval rates and zero pre-closure charges.

#### Roles and Responsibilities:

- Work as **Site Reliability Engineer** & also provide product support to clients.
- Understanding the existing infrastructure , Business model Of Finance based company.
- Used python to automated many manual process .

- Worked on Sumologic centralize logging tool .
- work on Query Optimization & write complex query in mysql & redshift.
- onboard new merchants & integrate with the Fintech system.
- Understand how the Rest API actually work & deploy api on Lambda function on aws.
- Server configurations managed by Ansible.
- Look after all production level tech related issues & do RAC.
- Use terraform for infra provisioning.
- Work on mysql ,RDS ,redshift ,Dynamodb databases on AWS
- Working with AWS services and utilities, Infrastructure development on AWS using various services like EC2, VPC, S3, RDS, ELB, Auto-scaling ,IAM ,SG ,NACL,SNS,SQS etc.
- Work with Lambda function In aws to setup server-less application.
- Hand on with different tool Jira, bitbucket , postman,sumologic,mambu, os Ticketing tool.
- Managing scripting server on aws.
- Involvement in improving the infra flaw & saving cost by moving the On-demand resource to Reserved resources on aws

## **PROJECT @ OPS TREE**

### **NOC AND DEVOPS ENGINEER**

Client is a start-up funded by Essel Group that pioneers in video-driven commerce. Company aim to enhance the shopping experience by helping shoppers discover the latest products and trends through there product videos and expert tips.

### **Roles and Responsibilities:**

- Understanding the existing infrastructure , Business model Of E-commerce.
- Identify the flaw & glitch in Deployment cycle.
- Streamline the flaws of infra.
- Deployment procedure accomplished via Jenkins & convert the existing freestyle job to pipeline to achieve Full CI/CD best Practice.
- Server configurations managed by Ansible.
- Automated infrastructure provisioning using Terraform.
- Managing AWS cloud Infrastructure including EC2, S3, ELB. Highly available infrastructure for a production environment.
- Working with AWS services and utilities, Infrastructure development on AWS using various services like EC2, VPC, S3, RDS, ELB, Auto-scaling ,IAM ,SG ,NACL etc.
- Ensuring security best practice in infrastructure.
- Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools.
- Actively participate in high level team activities such as suggesting architecture improvements, recommending process improvements and conducting tool evaluations.
- Setup Central Log Monitoring using ELK stack Application monitoring using Elastic 7.x.

- Infrastructure Monitoring using zabbix of Servers, application, Databases.
- Work on cost optimization of infrastructure on aws cloud.

#### **ACADEMICS**

- B.Tech (Computer Science and Engineering) from GLA University, Mathura in Year 2019.
- Secondary School from CBSE Board, Dayawati Modi Academy, Varanasi in 2015.
- High School from CBSE Board, Dayawati Modi Academy, Varanasi in 2013.

#### **DECLARATION**

I hereby declare that all the information provided above is true and authentic.

**Place:**

**( Akash Jaiswal)**

**Date:**