

ASHISH SINGH

Achievement-driven Professional targeting assignments as **Senior DevOps Engineer** with an organization of high repute in

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Profile Summary

- A detail-oriented professional with over 6+ years of experience in Automation, Security, Cloud, NOC and other Operations related tasks.
- Proficient at diagnosis & rectification of faults aimed at enhancing operational and automation effectiveness underlying projects
- Expertise in resolving technical issues through root cause analysis of problems and in initiating corrective actions
- Experience in escalating overall productivity & efficiency of projects and reducing downtime of applications by implementing alerting and monitoring.
- Resourceful in managing multiple projects by dividing each task into subtasks to provide under the SLA's.
- Possess extensive knowledge of Kubernetes, Cloud(AWS, AZURE, GCP), Docker, Linux Ops, Scripting Languages (Python, Shell), etc.
- Expertise in Cloud Server Administration and Network Administration
- Knowledge of various tools like Kafka,Zookeeper,Graylog,Mesos,Chronos,Ansible,Puppet,Spinnaker,Prometheus,Zabbix,terraform and many more.
- Rich project management experience with expertise in developing project baselines, monitoring & controlling projects with respect to cost, resource deployment, & quality compliance to ensure satisfactory execution
- An enterprising leader with skills in leading personnel towards accomplishment of common goals

Core Competencies

Orchestration(Kuberenetes, EKS, AKS, Docker Swarm)

Troubleshooting & Root Cause Analysis

Monitoring(AppDynamics,Zabbix,Prometheus etc)

Security (AquaScan,AlienVault,Chronos)

Resource Planning & Control Management

Cloud Administrations(AWS, Azure GCP)

Soft Skills



DevOps Tools

- Containerization:** Docker, Docker-Compose, ACS and ECS
- Orchestration:** Kubernetes, AKS, EKS, GKE and Docker Swarm
- Alerting & Monitoring:** Istio, Zabbix, Prometheus, Grafana, Appdynamics, NewRelic, etc.
- Security:** Alien-Vault, CrowdStrike, AquaScan, Anchor, Horangi, Nessus, TruffleHog, GuardDuty, etc

Education

- B.Tech. (CSE from Lovely Professional University Phagwara in 2017
- 12th from CBSE in 2013
- 10th from CBSE in 2010

Technical Skills

- Language:** Python
- Operating System:** LINUX / UNIX and Window Based
- Cloud Services:** AWS, GCP & Azure
- Scripting** Shell, BASH, Groovy

Workshops / Certifications / Seminars

- KubeCon and CNCF Workshops , Delhi
- AMCAT Certified Software Engineer

IAC:	Ansible, Helm, Terraform, CloudFormation	<ul style="list-style-type: none"> Shannon 3rd International conference on computing science
Others:	Jenkins X, CircleCI, Github Actions, Gitlab CI/CD Zookeeper, Mesos-Marathon,	<ul style="list-style-type: none"> Ethical Hacking with Rahul Tyagi Lucedius

Notable Achievements Across Career

- Continuous Performance Growth- Awarded by Project Head, Truefit Corporation
- Always On - Awarded by Ashish Goel ,Srijan Technologies
- Promoted to Devops L2 within 3 months ,Srijan Technologies
- Gold Medalist at Disc throw ,Defence Sport Club
- Volunteer in Go-Kart Championship ,Lovely Professional University

Work Experience

Since January'22 with Pluang Technologies Pvt. Ltd. , Location as Sr. Devops Engineer

Project History

Name of the project: Pluang (In house product)

Environment: LINUX & UNIX & WINDOWS

Description: Pluang is a financial app managed and developed by PT Bumi Santosa Cemerlang, with the mission to give more access to various asset classes through micro investment products.

Responsibilities :

- I had worked on Cloud Management & Cost Optimization (AWS, GCP, & Azure).
- Have Been a part of SRE responsibilities to maintain the critical applications and automation around it.
- Monitoring of MultiCloud System by using grafana and cloud monitoring & alerting service
- I migrated the Prometheus + Graphana monitoring to NewRelic APM+Infrastructure monitoring.
- I had improvised the implementation of jenkins to jenkins as a code, one click setup on ECS Fargate.
- I closely worked with dev team to change the single module to multi-module with generalized Dockerfile and Jenkinsfile
- I did the R & D on CISCO MERAKI VPN and Firewall setup and later implemented it.
- Handling the Data Engineering Team Setup on GCP by using dataproc,composer,vertex AI and GKE.
- I worked on security auditing on cloud and data transfer between the services.
- I worked on R&D and Implementation on DefectDojo, SIEM.
- I migrated all security/firewall tools (horangi, cloudflare, nessus, trufflehog, crowdstrike, newrelic, guardduty, config change etc) and investigation to SIEM and DoJo.
- I automated alerting to terraform on newrelic and custom modules for cloud.
- I worked on finding the use case to implement the terragrunt.
- I had part of the audit for ISO Certification and found the lacking system and made changes and migrate things.
- I did the audit on IAM all over the organization and decided the strategy and process for request and approval via ITSM and OKTA SSO with a solution of On-Prem AD.

October'20-January'22 with Truefit Corporation Int. Pvt. Ltd. , Location as Sr. Devops Engineer

Project History

Name of the project: Marketplace (In house product)

Environment: LINUX & UNIX

Description: Marketplace was an all in solution for other Truefit Corporation products which makes them as competitors of other shopping sites (like Amazon,Flipkart etc). So, I was appointed as complete devops for this project to set up an end to end solution for this product.

Responsibilities :

- I had worked on AWS to GCP migration for a Marketplace project.
- I worked on conversion of infra into infra as a code for GCP via terraform.
- Also, I have to setup the Cost Optimization System for GCP and generate a reporting system
- I worked on a scratch setup of complete infrastructure on GCP for a Marketplace project.

- So, To Maintain the application scalability ,Reliability and successfully tested 10k users and handovered.
- I worked on CI/CD setup using Jenkins + Gitlab CI/CD tools.
- I worked on Writing Dockerfile + Kubernetes Yaml file for the Marketplace project.
- I did the R & D with new tools and tech. best fit for marketplace project automation.
- I worked on Consul,Jfrog,Helm,Terraform,GKE,VertexAI,FluxCD,Puppet,Ansible,Scaffold, GCP Services etc during this project.
- I had given an Engineering session to the India team on Devops different tools.

June'19-October'20 with Srijan Technologies Pvt. Ltd., Location as Devops Engineer L2



Project History

Name of the project: Estee Lauder

Environment: LINUX & UNIX

Description: Estee Lauder is an American multinational manufacturer and marketer of prestige skincare, makeup, fragrance and hair care products which are based on waste infrastructure on azure cloud with multiple supporting applications.

Responsibilities :

- Mainly Managing Azure Cloud environment on AKS with other services.
- Migration of shell scripting based on pure groovy based CI/CD.
- Managing fast and Incremental deployment through Jenkins,Spinnaker,AquaScan etc. on clusters.
- Containerized deployment and provide IT solutions-Reliability and accessibility of services 24*7 (SRE).
- Automate the services and fix the ongoing issues using shell scripting and python scripting.
- Support the Drupal Issues to engage and automate more oftenly.
- Troubleshooting & parsing logs into relevant form using syslog, logstash server based applications
- Migration from ACS to AKS of complete infrastructure with high security and precautions.
- Implementation of Base image based to provide sync setup on dev local machines with docker swarm and compose.
- Implementation of one service, one container.
- Process of scanning the whole infra and fixing the vulnerabilities and infrastructure to remove maximum loop-holes.

Name of the project: Live Streaming

Environment: LINUX

Description: This is In-house product to support internal & client meetings, webinars, presentations using open source WebRTC, Kurento, meteor etc.

Responsibilities :

- Create the Base images for each service to use minimal resources.
- Divide and implement the conterization for each service to scale out the services.
- Implement the Security with ingress rules and Aqua Scanning.
- Create deployment pipelines for K8's.
- Implementation of CI/CD to provide faster development.
- Implementation of logging and session records to provide fast RCA's on issues.
- Deploy the multiple services in GCP where Composer, CloudFunction, GKE, App Engines
- Manage the GCP Services Dataproc,Vertex AI,Load Balancers, Logging & Monitoring

April'18-June'19 with Metadesign Solutions Pvt. Ltd., Location as Devops Engineer



Project History

Name of the project: Samsung(Artik Cloud)

Environment: LINUX & UNIX

Description: Samsung uses AWS and other cloud based services to serve their clients through more than 800 servers using cluster based infra with automation tools- Docker,Ansible,Puppet,Connectors,Bitbucket,Mesos-Marathon etc.

Responsibilities :

- Mainly Managing Amazon Cloud environment (More than 800 Servers Running)
- Weekly Patching using Ansible cookbooks and AWS RunCommands.
- Managing fast and Incremental deployment through Jenkins,Ansible,marathon etc. cluster
- Troubleshooting cloud server and IT infra issues under SLA.
- Managing Cluster of various automation tools
- Containerized deployment provide IT solutions-Reliability and accessibility of services 24*7.
- Prepare daily reports for SLA management.
- Monitoring Samsung infra through - Nagios, Prometheus, Marathon, Mesos, AWS cloudwatch.
- Automate the services and fix the ongoing issues using shell scripting and python scripting.
- Troubleshooting & parsing logs into relevant form using syslog, logstash, graylog cluster.

- Create or Scale up or Scale down infra using - AWS, Marathon, Docker etc.

Name of the project: Caslon

Environment: LINUX

Description: Caslon is a group of websites in which various websites are being managed.

Responsibilities :

- Managing Amazon Cloud environment.
- Handling MSSQL Database.
- Backup solutions.
- Managing security and troubleshooting various server issues.

Name of the project: Sharper AX

Environment: LINUX

Description: Sharper AX is a web application in which users can record and playback videos using Wowza stream server as a backend.

Responsibilities :

- Managing Amazon Cloud environment.
- Handling MSSQL Database.
- Backup solutions.
- Managing security and troubleshooting various server issues.

Name of the project: Eylog

Environment: LINUX

Description: EyLog is an integrated online and mobile application for childcare providers to easily capture and securely manage the learning journey of a child in an electronic format.

Responsibilities :

- Managing Amazon Cloud environment.
- Handling MySql Master Slave Database..
- Backup solutions.
- Managing security and troubleshooting various server issues.
- Application server clusters.
- Managing fast deployment through terraform and ansible.

May'17 - April'18 with Yamaha Motor Solutions India Pvt. Ltd., Location as NOC Engineer



Project History

Name of the project: YMCA

Environment: LINUX, UNIX & WINDOWS

Description: Running in-built applications which help to automate the machinery and their wear and tear as well as multiple websites hosted on data centres and cloud.

Responsibilities :

- Mainly Managing Amazon Cloud environment (More than 800 Servers Running)
 - Weekly Patching using Ansible cookbooks and AWS RunCommands.
 - Managing Rackspace Cloud environment.
 - Responsible for Day-To-Day Server administration and operation task
 - Applications, Web servers (Apache, IIS, Jboss) and AWS cloud service management.
 - Implement a load balancing environment through Piranha and HA-Proxy tools.
 - Providing User Privileges, Restricting Permissions and creating Group Policies and implementation
 - Implemented Release and Deployment of web archives (war).
 - Automate services through AWS.
 - Implementing servers, Application and database monitoring through the Zabbix tool.
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Internship

Name of the organization: Shreyanshi Consultancy Pvt. Ltd.

Duration: Sept'15 - July'16

Description: It provides summer training on various platforms (CSE, Mechanical, ECE).

Responsibilities :

- Got Certification on ASP.NET
- Worked as Course planner and Coordinator.
- Got the knowledge of user satisfaction and importance of reliability on services.
- Manage the classes and support to provide a better training center i.e. which I felt while getting self training.

Personal Details

Date of Birth:	4 th June 1994
Language Known:	English & Hindi
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