

CURRICULUM-VITAE

ANAND KUMAR

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**RED HAT
CERTIFIED**

**ENGINEER
&
SYSTEM
ADMINISTRATOR**



CAREER PROFILE

10+ years experienced DevOps Engineer posing in-depth experience of managing cloud based technology with effectively of infrastructure & services. Gained hands-on experience in implementing core DevOps concepts, CICD, Cloud environment, Monitoring, Application Support, RCA, administration etc. by using wide variety devops tools. Adept at learning and implementing new technologies very swiftly as demonstrated by the transition from a Developer to a DevOps professional. Drives excellence in every project to deliver outstanding results.

RECOGNITION & APPRECIATION

- Got award(OPTIT/Goibibo) for migrating openstack apps to AWS environments for Goibibo.
- Got appreciation(Goibibo) for end to end design and implementation of dockerized environments in dev and production.
- Got appreciation(Riversand) for Automated cloudwatch dashboard, url health check using boto3, Dynamic Inventory and also for Hbase backup script.
- Got appreciation awards from KOHLS and Kloud9 for innovative ideas, think out of the box, dedication for work and for automated deployment.
- Got appreciation from UBER for automation, oncall and ongoing projects.

PROFESSIONAL EXPERIENCE

Lead System Engineer	EPAM(UBER)	Jan 2019 to Till now
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We are designing, building the next gen of Uber's Dispatch Platform that serves every marketplace within the Uber ecosystem. Some of the key technology challenges involve achieving 99.99% reliability, handling massive concurrency, building high-performance services, and scaling our platform with efficiency. We are building an unbreakable business platform to fulfill the regular needs of transportation and delivery.

- Tech lead of Marketplace Platform SRE team. Marketplace Platform team is the team that designs, builds, and operates the always-on platform for Uber which powers every Uber trip.
- Streamline oncall experience, improving oncall runbooks which helps troubleshoot during on-call incidents.
- Improving the deployment process with multi-level testing at different stages and landing it on production with zero downtime.
- Owning some devops production core services at Uber.
- Responsible for zero defect environment, Postmortem, Outages, RCA and capacity drill, .
- Slack bot for multiple purposes(post commit test failure, open/close outages

info, doc/onboard/new service/... help, onDemand reports, deployment status/acknowledgement ... notifications).

- Revamp UI and backend of dev-environment.
- Automation to automate to minimize human efforts/errors across platforms.

DevOps Engineer	Kloud9 (KOHLS)	Dec 2017 to Jan 2019
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Worked as DevOps, CloudOps & Software Engineer, created end to end CICD framework for Openshift and Kubernetes, creating various go-engine to manage and generate dynamic reports like resources, compliance.

- Worked on POC to onboard cassandra in openshift.
- Lead Openshift cluster migration from 3.6 to 3.9 for LLE and HLE.
- Extended Shared Library to write reusable code using groovy, declarative pipeline, DSL, pipeline as code and openshift DSL, Also solved realtime problems for jenkins/openshift/kubernetes based, also created a few new features like generating dynamic yaml for openshift/kubernetes.
- Responsible for alert rules for openshift under prometheus and alert manager.
- As part of cloud cost cutting, created a shared library module to dynamic tagging, clean up the resources which are not used by any resources.
- Done Vault and Consul Setup and Integration with groovy/Shared-Library to maintain config and secret of pod for platform openshift/Kubernetes.
- Gradlew doesn't support the latest DSL so created a groovy module with jenkins cli to create remote jobs with the support of all the latest DSL.
- To patch OS regularly created packer scripts with jenkins job for all servers for GCP platform.

DevOps Engineer	Echidna (eCommerce)	Oct 2017 to Dec 2017
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Worked as DevOps Engineer to improve CICD experience, automate and manage openshift and kubernetes environments.

- POC on OpenShift and kubernetes for CICD.
- Worked on dynamic jenkins slave for kubernetes and openshift in scripted and declarative DSL code.
- Setup CICD Pipeline for Hills Project.

DevOps Engineer	RiverSand Global Technology (MDM)	June 2017 to Oct 2017
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Worked as DevOps Engineer for managing daily builds, automations and Monitoring through SysDig.

- Worked on ID-Manager to provide id dynamically for zookeeper, elasticsearch and kafka.
- Created script for full and incremental backup and restore option for HDFS and HBase with aws, hdfs, local file system backup options.
- Automated cloudwatch dashboard, url health check using boto3, lambda, lambda scheduler and s3.
- Enable SysDig monitoring for dev and QA environments.
- Taking care of dev and production build and deployment.

DevOps Engineer	OPTIT (Goibibo : online travel organization)	Jan 2016 to June 2017
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Worked as DevOps & CloudOps Engineer for managing AWS services, Continuous Integration and Deployment with Zero Downtime, Migration, Automation, Troubleshooting, Monitoring and dockerization.

- Participate in migration of openstack dev and production environments to AWS cloud.
- Implemented dockerized environment for dev and QA with deployment, ELK monitoring and end to end setup, cleanup environment on demand/schedule way.
- Monitoring cloud infrastructure using New-Relic and DataDog.
- OnCall supports, participates in postmortem and RCA.
- Manage/Automate/Setup for AWS, using AWS tools, python, boto3, ansible and terraform.
- Developing scripts for slack hubot to get interactive results/reports on demand and execute a set of commands.
- Cloning live traffic for dev testing machines to debug live traffic without impacting end users.
- Implemented fallback and access route/client public ip which is behind ELB using nginx.

Linux System Administrator	Calix Technologies	Nov 2013 to Jan 2016
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Worked as a freelancer for position System Administrator to automate and maintain system services and performance, Planned and executed Linux system changes and upgrades and Provided onsite support and remote support to the clients.

Web Application Developer	Mostly Linux	Oct 2010 to Nov 2013
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Worked as a freelancer for position PHP lead for developing and managing web applications, managed databases and Linux servers.

SKILL SUMMARY

- **Cloud:** AWS, GCP.
- **Scripting:** Shell Script, Groovy, Python, React(ECMA6), Graphql and Golang.
- **MicroServices :** Docker, compose, openshift and kubernetes.
- **Tooling:** Helm, istio.
- **HashiCorp Tools:** Vault, Consul, Packer and terraform.
- **Jenkins :** DSL, Pipeline as code, shared library, groovy.
- Configuration Tool: **Ansible**, Saltstack.
- Version Control Management : GIT, Gitlab.
- **Logging/Monitoring:** New-relic, DataDog, **Kibana**, Fluentd, ELK and **Grafana**.
- HTTP Service : Apache, Nginx.

EDUCATION QUALIFICATION

- B.Sc. IN INFORMATION TECHNOLOGY (B.Sc. IT) from Punjab Technical

CERTIFICATION

- RED HAT CERTIFIED SYSTEM ENGINEER (RHCE)
Certificate Number-111-121-380
- RED HAT CERTIFIED SYSTEM ADMINISTRATOR (RHCSA)
Certificate Number-111-121-380
- CERTIFIED KUBERNETES ADMINISTRATOR (CKA)
Certificate Number-1900-001462-0100