Apoorv Singh

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Professional Summary

- I am passionate about *automation* and *cloud architecture*, currently working as **DevOps Engineer**
- I have experience of **3.5 years** which includes server **infra architecting, automation, security, monitoring, tuning** and **deployment** of latest open-source tools on linux based systems.
- Worked on **AWS, GCP** and have hands-on experience on **Azure** too.
- Worked on **Apache/Nginx** web servers
- Familiar with **Linux Sysadmin** concepts
- Monitoring of whole infrastructure with **LM, Zabbix**, **NewRelic**, **Prometheus** and **Grafana**
- **IaaC** using **Terraform** in all environments.
- Worked on **Disaster Recovery.**
- **One-click Infra** automation with logging, monitoring and deployment services.
- Provided round the clock support in '**on-call**' shifts closely monitoring infrastructure
- Efficient at collaborating across roles like managers, architects, developers and testers to plan builds and deployment strategies.
- Worked hand to toe with clients which enhanced **client handling** skills.
- Efficient in **automating** various **ad hoc tasks** reducing tasks and deployment time greatly
- Supporting high throughput, high availability production systems round the clock.
- Contributed majorly to **'Frugal' project** saving a noticeable amount of the firm's money.
- Worked extensively on increasing overall security of the product and infrastructure.

Technical Skills

Languages	C, C++, Python, Bash
Operating Systems	Linux, Windows
Cloud Services	AWS, GCP
AWS Services	EC2, S3, RDS, IAM, Opensearch, CloudWatch, SQS, SNS, Redis, VPC, EMR, Quicksight, Redshift, EKS, ECS, SecretsManager, Route 53
Infra Automation tools	Ansible, Terraform, Packer
CI	Jenkins, GitLab
Monitoring Tools	Zabbix, NewRelic, Prometheus, Grafana, LogicMonitor, Elastalert
Databases	MySQL, MongoDB, PostgreSQL
Log Management	Logstash, Kibana, LogzIO

Version Control	Git, Github, Bitbucket
WebServers	Apache, Nginx, Tomcat
Containerization tools	Docker, Kubernetes
Scripting	Ansible, Python, Bash
Other Tools	Kafka, Zookeeper, JIRA, Scout

Work Experience

Sophos, Gurgaon
Software Engineer 2 - DevOps/SRE(Mar 2021 – Present)
- Setup timely automated backup for production **RDS instance, Elasticsearch Domain** in **different** account for Disaster Recovery.
- Created complete production infrastructure template using **Terraform,** deployable with one click in case of Disaster(Part of Disaster Recovery).
- Automated the application deployment using **Ansible**, **Jenkins**.
- Transformed the whole infrastructure to IAC(Infrastructure as Code) using **terraform**.
- Migrated the environments under VPC, made infrastructure private.
- Responsible for migrating **on demand** EC2 instances to **spot** and **reserve** instances saving thousands of Dollars a month.
- Implemented **billing checks** using scripts across 15+ AWS accounts.
- Created **rotating infra** for demo environment to increase security.
- Contributed in getting the product **SOC2** certified by making sure of compliance.

Birdeye, Gurgaon
Site Reliability Engineer (Jun 2019 – Mar 2021)
- Improved Monitoring of the whole infrastructure of around 1000+ servers.
- Optimized alerts of the whole environment using **Zabbix, NewRelic, Prometheus, E.L.K.,** and **Grafana**.
- Introduced containerization for setting up new services using **Docker**.
- Cloud Infrastructure as Code using **Terraform, Packer** and **Ansible**.
- Automation of various ad-hoc tasks using **Python, Bash, Ansible**.
- Responsible for setting up **automated monitoring** and **alerting** of new services.
- Contributed to the **Frugal Project** by analyzing the **under-utilized** resources and migrating **on-demand** EC2 to **spot** and **reserve** instances saving thousands of dollars.

Oodles, Gurgaon
DevOps Engineer (Jun 2018 – Jun 2019)
- Managed **4+ active projects** concurrently.
- Managed **50+ on-premise** servers and **200+ cloud** servers.
- Responsible for analyzing and **designing** the whole **infrastructure** as per the client's requirements.
- Took an initiative in **monitoring** the on-premise servers.

- Responsible for **setup, deployment** and **support** on various projects in multiple environments.
- Deployed multiple microservice architectures on managed containers using **Docker swarm** and **ECS**.
- Responsible for migrating all on-premise servers behind **VPN**.
- Created many **production AWS** infrastructures using **console**, **Packer**, **Terraform, Ansible and Jenkins**.
- Supporting high throughput, high availability production environments round the clock.
- Automation of ad-hoc tasks using **Bash, Python**.
- Setup and manage different databases like **MySQL, MongoDB**.

Educational Background

B.E. (Computer Science)
Jul 2013-Jan 2018
Lovely Professional University,
Jalandhar, Punjab

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