RISHABH JAIN

Experienced DevOps Engineer

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PROFILE

As an DevOps Engineer and Solution Architect with 3 years of relevant experience, I have expertise in software engineering, and automating critical deployments over an extensive infrastructure. I am proficient in Bash Scripting, Kubernetes, Linux, and AWS EKS. My peers have endorsed me for my critical thinking skills, ability to solve complex problems, optimize solutions, and troubleshooting skills for Linux.

CERTIFICATIONS

- AWS Solution Architect Associate
- Terraform Associate
- Red Hat Certified System Administrator (RHCSA) exam (EX200)
- Red Hat Specialist in Ansible Automation (EX 407)

PUBLICATION

- Image to Text conversion in Foreign Language using Document Image Processing Technique (IJITEE)

ACHIEVEMENTS

- Awardee of DevOps project selected by Watch Guard Pvt. Ltd.
- LOR from Microsoft Student Chapter.

TECHNICAL SKILLS

Tools
Docker, GitLab, Git, JIRA, Kubernetes, Jenkins, Terraform, Kafka, Prometheus, Grafana, New relic, Confluence

Cloud Service Providers
AWS, GCP, Azure

Programming Languages
Bash, Python, Go

Configuration Management
Ansible

Databases
MySQL, MongoDB

Virtualization Tool
Virtual Box, VMware Fusion

IDE
VS code, Atom, PyCharm

OS
CentOS, Ubuntu, Windows

WORK EXPERIENCE

physIQ, Chicago (USA)
DevOps Engineer Intern   May 2022 – December 2022
- Implemented and documented a serverless **HashiCorp Vault** on GCP **Cloud Run** for secure secret and certificate management. **60%** of total pods now run with this extra layer of security without affecting performance of real time data analytics of physIQ patient portal.
- Built **GCP** instance templates with custom Docker images for quick infrastructure provisioning and upgrading. This **reduced the time** required to set up infrastructure **by 80%**.

Awign Enterprises Pvt. Ltd., Bangalore (India)
[DevOps Engineer II Consultant]   January 2022 – July 2022
- Resolved and diagnose critical issues including downtime and data breaches on multi-node production, stage, and dev clusters.
- Contributed to the organization in getting **SOC2** certified.
- Used **AWS CloudFormation** for quickly spawning new resources instead of creating and deploying YAML files in the respective clusters.
- Researched and developed **disaster recovery plan** using best practices, used **terraform scripts** for rapid resource provisioning and tested the created scripts in real-time with **100% accuracy**.

[Software Development Engineer]   March 2021 – August 2021
- Built efficient and reliable microservices **CI/CD pipelines** using **Docker**, **Kubernetes**, **Jenkins**, **GitLab**, and multiple AWS cloud services like EKS, ECR, S3, EC2, ELB, RDS, VPC, Route53, load balancers, SQS.
- Implemented k8s advanced concepts including Ingress, Taints, Tolerations, Rbac. Also reduced service downtime by using Readiness & Liveness Probe, Node Selector, Persistent Volume and Persistent Volume Claim.
- Successfully conducted log analysis using Elasticsearch and Kibana. Indexed logs into Elasticsearch and proficiently utilized Kibana's advanced search.

[DevOps Engineer Intern]   August 2020 – March 2021
- Collaborated with the frontend and backend engineering teams to test APIs, using Postman.
- Implemented **log monitoring** for various cloud services using Prometheus and Grafana dashboards.
- Audited the organization's AWS account to resolve security concerns using **Scout2, reducing security risks by 50%**.

PROJECT

AutoMigration - Legacy Applications Migration from EC2 to EKS Cluster
- Designed and developed solution for migration of legacy applications to EKS.
- Reduced operational overhead by 30%.
- **Achieved 20% cost reduction** and better utilization.

BlazeKit - (https://pypi.org/project/blazekit/) (GitHub)
- Developed user-friendly GUI for effortless Kubernetes cluster management resource handling, application deployment, monitoring, and more.

EDUCATION

- Masters in Computer Science   August 2021 – May 2023
  Illinois Institute of Technology, Chicago, USA
- Bachelor of Technology, Computer Science   July 2016 – May 2020
  University of Petroleum and Energy Studies, India