

RAKESH BAJPAYEE

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Summery

DevOps Engineer with 2 years of experience in containerization, CI/CD pipeline construction, Infrastructure as Code (IaC), and cloud architecture development. Demonstrated expertise in managing successful deployments for startups and contributing to open-source projects, with a strong focus on monitoring and system optimization. Proven ability to collaborate effectively with cross-functional teams, driving seamless integration and enhancing operational workflows. Passionate about continuous learning and adaptability, always eager to embrace new technologies and methodologies to meet evolving project requirements and challenges.

Skills

DevOps	Python, Bash, Git, Azure, AWS, Kubernetes, Helm, Docker, GitLab, Argo CD, Terraform, Prometheus, Grafana, Nginx,
Tools & Database	Linux, Vagrant, Azure DevOps, Redis, MySQL, MongoDB, Kafka, Elastic Stack
Soft Skills	Communication, Team Leading, Brainstorming, Adaptation

Experience

Linux Administrator (Full-Time)

Mar 2025 –

Wipro Impact Infotech

Bangalore, India

- Administrate 2 major bank's Linux and AIX servers of Karnataka and Kerala and support the bank team in banking hours.
- Improved working efficiency by 70% by creating bash scripts and using IaC tools like Ansible.
- Extensively worked on the DB, APP, NTP and Nameservers also troubleshooted the server failures and collaborated with the IBM support team for issue resolving.
- Skills Learned: RHEL, AIX, Networking, Backup, Troubleshooting, Cloud architecture, Communication

DevOps Consultant (Freelancing)

Sep 2023 – Sep 2024

Dhuv

Remote, India

- Directed the development and deployment eCommerce platform on a Kubernetes cluster, enabling support for 1 million concurrent users with enhanced TLS security.
- Delivered a 40% reduction in deployment costs by employing innovative strategies.
- Established a Scrum-driven culture, significantly improving team collaboration and productivity.
- Skills Learned: Software Development, Kubernetes, SSL security, Cloud computing, MySQL, Wordpress

Projects

Open Wallet Foundation CNCF

DIDComm Mediator Credo – K8S Setup

Jan 2025

- A Mediator Agent for usage with Hyperledger Aries and DIDComm v1 agents. It is built using Credo, which is a framework written in TypeScript for building decentralized identity solutions.
- Developed Helm charts for the creation of Kubernetes deployment, service, ingress. enhanced security for incoming traffic.

Netobserv Red Hat

Network Observability Operator – Helm Charts Creation

Jan 2025

- A Kubernetes/OpenShift operator for network observability.
- Developed a Helm chart for a Deployment, a ConfigMap, 2 Custom Resource Definitions, ClusterRole, and Role manifests for RBAC and contributed to Let's Encrypt integration for improved SSL security.

Azure deployment of Netflix-clone app with DevSecOps

Sep 2024

- Deployed this NodeJS application on AKS created with Terraform, containerized using Docker, Scanned with Trivy.
- Created CI pipeline using GitLab and CD done with ArgoCD.
- Skills Utilized: Azure, Kubernetes, GitLab, ArgoCD, Docker, Trivy, Helm, Terraform, Ansible, Prometheus, Grafana

Publication

- **Remote Election Polling Using Full Stack Development**
Proceedings of the KILBY 100 7th International Conference on Computing Sciences 2023 (ICCS 2023).
Available at SSRN: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4482714

May 2023

Course

- AZ-900T00-A: Microsoft Azure Fundamentals
- AZ-400: Development for enterprise DevOps

Education

Graduation

Aug 2019 - Oct 2023

Bachelor of Technology | Computer Science and Engineering | Lovely Professional University | Punjab | India