

Gokulan C

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SUMMARY

DevOps Engineer with 2.5 years of experience in automating infrastructure, CI/CD pipelines, containerization, monitoring, and troubleshooting application environments. Skilled in implementing secure, scalable, and efficient solutions using modern DevOps tools and cloud technologies.

WORK EXPERIENCE

DevOps Engineer, BGSW

October 2023 – Present

- Automated repository creation in JFrog Artifactory and implemented package vulnerability blocking policies.
- Designed and deployed Grafana dashboards for log analysis, application health insights, and performance monitoring.
- Managed SSL/TLS certificate creation, renewal, and deployment across production environments.
- Worked with Git for version control, resolved merge conflicts, and supported production code integrations.
- Gained hands-on experience in frontend development workflows within Backstage, contributing to UI enhancements and troubleshooting.
- Containerized a self-service Backstage–Artifactory portal using Docker for improved portability.
- Set up a High Availability (HA) server cluster for the Artifactory application, ensuring uptime and reliability.
- Developed Shell scripts to automate application metrics generation and server performance reporting.
- Created Ansible playbooks for automated deployments and configuration across multiple servers.
- Applied kernel security patches and performed regular system updates to maintain secure environments.
- Performed OpenJDK upgrades and Java runtime maintenance on servers to ensure compatibility and security.
- Participated in application troubleshooting, incident resolution, and performance optimization tasks.
- Implemented log rotation mechanisms to manage application logs and optimize storage usage.
- Worked with ServiceNow for incident management, change requests, and operational workflows.
- Built automated cleanup pipelines in Artifactory to purge outdated artifacts and maintain repository hygiene.
- Created an HTML-based dashboard to display application and server performance metrics for internal teams.
- Hands-on experience with Azure DevOps for CI/CD pipelines, repository management, and automation workflows.
- Deployed JFrog Artifactory Cloud on Azure, including networking, storage, and availability configuration.
- Used Postman extensively to test REST API endpoints, validate integrations, and automate API checks.
- Configured LDAP and SSO authentication (SAML/OAuth) to enable secure and centralized identity management.

Graduate Innovation Engineer (Internship), Forge - Coimbatore

[March, 2022] – [Dec, 2022]

- Completed ProtoSem, a 20-week Graduate Innovation Engineer Certification focused on hands-on engineering, innovation, and product development.
- Worked on designing, developing, and deploying innovative solutions for real-world industry problems.
- Gained exposure to industry-driven problem solving, teamwork, and rapid prototyping.
- Transformed into an industry-ready engineer with strong technical and innovation competencies.

PROJECTS

CI/CD Automation

Designed an end-to-end CI/CD pipeline using Jenkins and JFrog Artifactory for automated build, scan, and deployment workflows.

Monitoring System

Implemented centralized monitoring and log analysis using Grafana, Loki, Promtail, and Alertmanager for application observability.

Artifactory Cloud Deployment

Deployed JFrog Artifactory Cloud on Azure with HA setup, storage optimization, and Azure DevOps automation.

Backstage Developer Portal

Customized Backstage frontend components and integrated Artifactory APIs; containerized the portal using Docker.

Server Security Automation

Automated kernel security patching, OpenJDK upgrades, and log rotation using Shell scripts and Ansible.

REST API Testing Framework

Developed automated REST API validation workflows using Postman collections integrated with CI pipelines.

ACHIEVEMENTS

Sabash Points

Rewarded for valuable contributions at the company.

Active Learner

Awarded for continuous upskilling and adaptability in new technologies.

CSR Participation

Participated in company CSR activities.

EDUCATION

2019 – 2023 Bachelor's Degree in Computer Science and Engineering at **Kumaraguru College of Technology, Coimbatore**

SKILLS

DevOps Tools	Jenkins, GitHub Actions, GitLab CI/CD, JFrog Artifactory, Backstage
Containers	Docker, Kubernetes, Helm
IaC	Terraform, Ansible
Cloud	AWS (EC2, S3, EKS), Azure (AKS, Networking), GCP
Scripting	Bash, Shell Script, Python, Groovy
Monitoring	Grafana, Prometheus, Loki, Promtail, Alertmanager
Security	SSL/TLS, IAM, RBAC, Nginx, Firewall
APIs	REST API, Postman, cURL, API Gateway
Version Control	Git, GitHub, GitLab