Gopal Gautam DevOps Engineer

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SUMMARY

Results-driven DevOps Engineer with expertise in application deployment, infrastructure automation, and CI/CD pipeline management. Proficient in AWS, Kubernetes, Terraform, and monitoring tools like Prometheus and Grafana. Demonstrated success in reducing cloud costs by 30-40% and improving deployment efficiency. Passionate about optimizing scalable, secure, and high-availability systems to drive operational excellence.

PROFESSIONAL EXPERIENCE

DevOps Engineer
Aesthisia Datacenters Private Limited 🔗

02/2024 – present | Gurgaon, India

- Deploy containerized applications on AWS EKS using Kubernetes and Helm for high availability.
- Automate CI/CD pipelines with Jenkins, reducing release cycles by 25%.
- Implement HashiCorp Vault to secure sensitive data and manage secrets.
- Optimize AWS infrastructure using Terraform for automated resource provisioning.
- Enhance application performance with AWS CloudFront caching and Auto Scaling.
- Monitor system health using AWS WorkSpaces, Prometheus, and Grafana, ensuring 99.99% uptime.
- Streamline application logging with Fluent Bit and OpenSearch for efficient analysis.
- Cut AWS costs by 20-30% by migrating workloads to AWS Fargate and optimizing resource allocation.

DevOps Engineer (Intern)
Lalita Automation 🔗

10/2023 – 01/2024 | Bangalore, India

- Configured development and production environments using Jenkins, PostgreSQL, and Kafka.
- Deploy containerized applications with Docker on cloud, ensuring reliable operations.
- Integrated EMQX and Kafka for real-time IoT data streaming.
- Set up Prometheus and Grafana for monitoring with Slack alerts for downtimes.
- Optimized cloud resources, reducing infrastructure costs.

EDUCATION

Bachelor of Computer Applications (BCA)
Bon Maharaj Institute of Management and Technology
09/2019 – 07/2022 | Vrindavan, Uttar Pradesh

CERTIFICATES

AWS Certified Solutions Architect 🔗
Ducat, Noida

SKILLS

- **Cloud Platforms:** AWS , Azure, GCP
- **Containerization:** Kubernetes, Docker, Helm
- **Networking:** Ingress, Istio, Nginx, AWS VPC, Load Balancer
- **CI/CD Tools:** Jenkins, GitHub Actions, Concourse CI
- **Infrastructure as Code:** Terraform
- **Monitoring & Logging:** Prometheus, Grafana, Loki, CloudWatch, ELK Stack
- **Scripting & Programming:** Python, Bash
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Security & Code Quality:** HashiCorp Vault, SonarQube
- **Other Tools & Messaging:** Kafka, Git, EMQX
- **Operating Systems:** Linux, Windows

KEY ACHIEVEMENTS

AWS Application Deployment – Deployed 30+ applications on AWS with 99.99% uptime and high availability.

Monitoring Efficiency – Improved monitoring by 25% using Grafana, Prometheus, and Loki integration.

AWS Cost Optimization – Cut cloud costs by 30-40% by migrating EKS workloads to serverless, optimizing CPU/memory allocation, and leveraging CloudFront for caching to reduce latency and data transfer costs.

PROJECTS

HelloTeam 🔗
08/2024 – present

- Deploy containerized applications on AWS EKS using Kubernetes and Helm for scalable deployments.
- Automate CI/CD pipelines with Concourse and Bash scripts, accelerating release cycles by 20%.
- Secure sensitive data with HashiCorp Vault, integrating IAM for access control.
- Provision AWS infrastructure using Terraform, optimizing VPC and Load Balancer configurations.
- Manage traffic routing with Ingress and Nginx, enhancing application accessibility.

Nandi.ai 🔗
07/2024 – 07/2024

- Created Dockerfiles and Kubernetes manifests for the frontend and backend applications of Nandi.ai, ensuring seamless deployment.
- Implemented Keycloak for secure identity and access management.
- Set up and managed PostgreSQL databases on GCP.
- Deployed applications on GKE clusters using optimized Kubernetes deployment manifests.
- Developed GitHub Actions for CI/CD, automating Docker image builds and deployments.
- Configured and deployed application Ingress for efficient traffic management.