Jeevanantham Balakrishnan
Cloud & DevOps Engineer | AWS & Terraform Expert
linkedin.com/in/jeevabalakrishnan/ | https://github.com/JeevaByte | +44 7741019341

Professional Summary

Results-driven Cloud and DevOps Engineer with 8+ years of experience in designing and automating scalable infrastructure solutions across AWS and multi-cloud environments. Specialized in Infrastructure as Code (IaC) using Terraform, scalable CI/CD pipelines, and ensuring security compliance through industry best practices. Proven track record of reducing operational costs by 30%, enhancing deployment speeds by 60%, and improving system reliability with self-healing infrastructure. Adept at mentoring teams, collaborating with stakeholders, and implementing governance frameworks aligned with business objectives.

Core Skills

- **Cloud Platforms:** AWS (Well-Architected Framework, Control Tower, Organizations, Transit Gateway, Direct Connect, VPC Networking).
- **IaC & Automation:** Terraform (modularization, policy-driven automation, drift detection, state management).
- **DevOps Practices:** CI/CD (Jenkins, GitHub Actions, GitLab CI), GitOps (ArgoCD, Flux), Kubernetes (EKS), containerization (Docker, Helm).
- **FinOps & Governance:** AWS Cost Optimization, Cost Explorer, Budgets, OPA, AWS SCPs.
- **Security & Compliance:** DevSecOps practices, HashiCorp Vault, AWS Security Hub, CIS compliance.
- **Observability:** Monitoring (Prometheus, Grafana, CloudWatch), centralized logging (ELK, Loki), incident response.
- **Programming & Scripting:** Python, Bash.
- **Platform Engineering:** Internal Developer Platforms (IDP), self-healing infrastructure, service meshes (Istio), Kubernetes-native workloads.
- **Workflow Tools:** Agile/Scrum, Jira, Confluence.
- **Policy as Code:** Open Policy Agent (OPA), AWS SCPs, automated compliance enforcement.

Education

Master of Science (MSc) in Cloud Computing
University of Leicester, UK (Sep 2024 – Present)

Master in Business Application, Information System
University of Madras, India (Jan 2019 – Dec 2021)

Relocation

Open to relocation and willing to move to different locations for the right opportunity.

Professional Experience

AWS Infrastructure Engineer

Perficient Inc, Chennai, India
Mar 2022 – Aug 2024

- Designed and deployed multi-region AWS architectures, achieving 99.99% uptime through failover mechanisms and latency-based routing.
- Led the adoption of Terraform for IaC, reducing environment provisioning time by 60%.
- Built scalable, fault-tolerant data pipelines using **Kinesis**, **Lambda**, and **DynamoDB**, processing 5 million+ events daily.
- Collaborated with product and security teams to achieve a 30% improvement in compliance audit scores.
- Optimized cloud infrastructure costs, resulting in a 25% reduction in monthly cloud spend.
- Enhanced security posture by integrating AWS GuardDuty, Security Hub, and SCPs, reducing security incidents by 40%.

AWS Operational Engineer
Tata Consultancy Services, Chennai, India
Mar 2021 – Feb 2022

- Automated multi-account cloud provisioning using Terraform, improving deployment speed by 50%.
- Designed end-to-end CI/CD pipelines for microservices using GitHub Actions and Jenkins.
- Developed monitoring dashboards using CloudWatch Logs and Grafana, reducing MTTR by 40%.
- Implemented centralized logging for multi-region applications using ELK stack.

Senior Technical Associate - Big Data Engineer
Wipro Limited, Chennai, India
Nov 2018 – Jan 2021

- Developed large-scale ETL pipelines using AWS Glue and Step Functions, improving data processing efficiency by 30%.
- Migrated on-premise systems to AWS, reducing operational costs by 35% and improving scalability.
- Deployed and managed Kubernetes clusters (EKS) with GitOps workflows for automated deployments.

Technical Associate - System Engineer
Cognizant Technology Solutions, Chennai, India
Nov 2018 – Jan 2021

- Automated recurring infrastructure tasks using Python and Bash scripts, increasing team efficiency by 40%.
- Provided operational support for large-scale enterprise cloud environments.
- Developed monitoring scripts to proactively identify and mitigate system performance issues, reducing downtime by 30%.
- Managed Linux and Windows-based servers, ensuring system availability and performance optimization.

Key Projects

Enterprise Multi-Region EKS Setup

- Deployed Kubernetes clusters across multiple AWS regions with failover mechanisms.
- Implemented GitOps workflows with ArgoCD for seamless application deployments.
- Achieved 99.99% uptime and reduced deployment complexity by 50%.

Cloud-Native Streaming Pipeline

- Built a real-time data pipeline with **Kinesis → Lambda → DynamoDB → S3**, processing 2 million events per hour.
- Improved fault tolerance and scalability for a high-traffic e-commerce platform.

Multi-Cloud Infrastructure Automation

- Designed Terraform workflows to orchestrate AWS, Azure, and GCP resources.
- Automated cross-cloud monitoring and cost management processes, reducing cloud spend by 20%.

DevSecOps Pipeline Implementation

- Integrated security checks (Trivy, SonarQube) into CI/CD workflows.
- Automated compliance validations and drift detection using Terraform Cloud, reducing vulnerabilities by 35%.

Achievements

- Automated 80% of routine infrastructure tasks, increasing team efficiency.
- Reduced deployment time by 40% through optimized CI/CD workflows.
- Successfully led the migration of monolithic applications to microservices-based architectures.
- Mentored a team of junior DevOps engineers, improving deployment efficiency by 20%.
- Implemented self-healing infrastructure, reducing incident resolution time by 50%.

Professional Summary for Recruiters

Cloud & DevOps Engineer with expertise in AWS, Terraform, and Kubernetes. Proven track record in optimizing cloud costs, enhancing performance, and ensuring security compliance. Seeking challenging opportunities to lead cloud and DevOps projects, deliver scalable solutions, and mentor teams on best practices in cloud architecture and automation.