Guru Subramaniam Shyamala

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Professional Summary

Motivated and detail-oriented Cloud Engineer with 2+ years of hands-on experience in cloud infrastructure, security, and DevOps automation. Proficient in deploying and managing scalable, secure, and high-availability cloud systems across AWS, Azure, and GCP. Adept at Infrastructure as Code (IaC) using Terraform, CI/CD automation, GKE workload orchestration, and multi-cloud load balancer configurations. Demonstrated ability to manage vulnerability workflows and implement threat detection tools. Certified in AWS Solutions Architect, AWS Cloud Practitioner, and Terraform Associate.

Technical Skills

Cloud Platforms	Azure, AWS, GCP
Infrastructure as Code (IaC)	Terraform
CI/CD	GitHub Actions, Azure Pipelines
Containerization	Docker, Docker Swarm, Kubernetes, AWS ECS, GKE, Helm
Serverless	AWS Lambda, Google Cloud Run, Azure Functions, Pub/Sub
Security	IAM, KMS, AWS Security Hub, Security Command Center
Monitoring	CloudWatch, GCP Monitoring
Programming & Scripting	Python, Bash, Shell, JavaScript, TypeScript, Node.js, YAML, JSON
Version Control	Git, GitHub, GitLab
Backend	Node.js, REST APIs
Databases	SQL, DynamoDB, CloudSQL, Firebase, MySQL
DevOps Practices	GitOps, Blue/Green, Canary, Observability, Secret Management
Networking	VPC, NATGateway, Route53, ALB, NLB, Application Gateway

Certifications

AWS Certified DevOps Engineer – Professional
Expires November 2027

HashiCorp Certified: Terraform Associate
Expires April 2026

AWS Certified Solutions Architect – Associate
Expires September 2026

AWS Certified Cloud Practitioner
Expires July 2026

Work Experience

Cloud Engineer | *Vosyn, Etobicoke, Ontario, Canada* April 2024 - Present

- Architected and executed end-to-end GCP migration for video-on-demand (VoD) services, transitioning workloads from AWS EC2/S3 to GCP Compute Engine and Cloud Storage using Terraform, reducing infra costs by 28% and improving delivery speed by 35%.
- Developed reusable Terraform modules to provision multi-cloud infrastructure (VPCs, subnets, IAM, GKE, Load Balancers), enabling 99.9% HA/DR readiness and cutting provisioning time by 60%.

- Deployed microservices into GKE with Helm charts, standardizing deployments and reducing release errors by 40%.
- Configured GCP Load Balancers (L7) with backend service groups and health checks, ensuring secure routing of 10M monthly requests to GKE pods with sub-100ms latency.
- Implemented automated CI/CD pipelines using GitHub Actions and GCP Cloud Build, enabling 10+ daily deployments with zero downtime rollbacks and 40% faster release cycles.
- Adopted GitOps workflows with Terraform Cloud and GitHub Actions, enforcing version control and approvals across environments, which reduced misconfigurations by 50%.
- Engineered a scalable VoD pipeline with Cloud Run, Pub/Sub, and GKE + KEDA autoscaling; dynamically scaled transcoding jobs, processing 5TB of video weekly with 70% faster turnaround, and automated pre-signed URL generation and XML manifest updates.
- Automated serverless workflows with Cloud Functions for transcoding, file integrity checks, and metadata injection, eliminating 90% of manual QA tasks.
- Hardened cloud security by enforcing least-privilege IAM roles, KMS encryption, and VPC Service Controls.
- Integrated security scanning with Container Analysis API, Security Command Center, and Wiz, enabling 95% of high-severity vulnerabilities to be remediated pre-deployment.
- Built observability stack with Cloud Monitoring, Logging, and uptime checks, designing dashboards and alerts.
- Automated drift detection with GitHub Actions and Slack integration, cutting infra audit cycles by 70% and improving compliance and reliability.

Junior Software Engineer | *Cprime Technologies, Chennai, India* Jan 2018 - Nov 2018

- Developed and tested enterprise-level web applications using **ReactJS, CSS, and MySQL**, boosting front-end responsiveness by 15%.
- **Integrated APIs**, debugged code, and **optimized backend** components to enhance overall system stability and user experience.
- Collaborated with senior developers in **Agile sprints, code reviews, and deployment pipelines** using **Git and Jira**, improving workflow efficiency and delivery speed.
- Automated **unit and integration testing frameworks**, streamlining QA processes and cutting manual testing effort by 25%.

Personal Projects

LinkedIn Job Application Automation AI

Python, Selenium, PyAutoGUI, Requests, Google Sheets API, Rate-Limiting Controls. Mar. 2025

- Developed an **AI-powered automation tool** that streamlined job applications on LinkedIn, reducing manual effort by 90% and increasing **application volume by 5x.**
- Engineered a **web scraping** and browser automation system that **extracted 500+ job postings weekly** and **auto-submitted applications** with tailored responses.
- Integrated **multi-threading capabilities**, reducing **application submission time by 50%**, enabling concurrent job applications.
- Implemented **error-handling mechanisms** and logging features, improving system reliability and ensuring 99% uptime for **uninterrupted execution.**
- Optimized the **automation process**, reducing execution time by 40%, while **maintaining compliance with LinkedIn's policies.**

Education

Conestoga College, Ontario, Canada April 2024

Post Graduate Certificate in Cloud Data Management

Prathyusha Engineering College August 2022

Bachelor in Computer Science and Engineering