

Siva Kumar Thandra

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PROFESSIONAL SUMMARY

Cloud and DevOps Engineer with hands-on experience in AWS, Azure, and Kubernetes, specializing in cost optimization, infrastructure automation, and cloud security. Reduced cloud spends by \$200K+ annually through usage-driven policy enforcement and FinOps practices. Streamlined 60% of manual workflows through scripting and tool integration, accelerating deployments and increasing consistency. Proficient in Infrastructure as Code (Terraform), containerization with Docker, and automation using Python, boto3, and Go. Built secure, cloud-native CI/CD pipelines with GitHub Actions and implemented real-time visibility and compliance automation using CloudQuery, monitoring 500+ AWS and 100+ Azure accounts. Experienced with enforcing security baselines using Cloud Custodian across multi-cloud environments.

CORE COMPETENCIES

AWS Infrastructure (EC2, S3, RDS, IAM, Lambda, CloudWatch) | DevOps Tools & Technologies(Docker, Kubernetes, Ansible) | Terraform & Infrastructure as Code (IaC) | CI/CD Pipelines (GitHub Actions, Jenkins) | Python & Boto3 Automation | Cloud Security & Compliance (Cloud Custodian, SCPs, Config) | Multi-Cloud Architecture (AWS & Azure) | Cloud Cost Optimization (FinOps, Apptio Codability, Cost Explorer) | Monitoring & Observability (CloudWatch, SNS, Config, Azure Monitor) | Agile Practices, Peer Code Reviews, Team Leadership

EXPERIENCE

DevOps Engineer TRENKA TECHNOLOGIES PRIVATE LIMITED	June 2022 – June 2025 Bangalore, India
<ul style="list-style-type: none">Provisioned and configured AWS resources such as EC2, S3, RDS, IAM, and CloudWatch using Terraform and Boto3, reducing provisioning time by 60%.Developed CI/CD pipelines using GitHub Actions and Jenkins, enabling automated deployments and reducing manual deployment errors by 50%.Wrote Python scripts using Boto3 to automate tasks like resource tagging, snapshot cleanup, and instance scheduling, cutting manual operations by 70%.Created CloudWatch Alarms, SNS notifications, and dashboards to monitor infrastructure health, improving alert accuracy by 80% and reducing MTTR by 40%.Enforced security policies using Cloud Custodian across AWS accounts, leading to a 70% reduction in non-compliant resources and boosting audit readiness by 60%.Configured S3 lifecycle rules, versioning, and bucket policies, reducing storage costs by 30% and improving backup compliance by 40%.Set up AWS Lambda functions for automation of cloud tasks and remediations, reducing manual intervention by 65% and improving response times by 50%.Supported multi-account setup and policies through AWS Organizations and Service Control Policies (SCPs), increasing policy consistency by 90% across accounts.Authored 50+ Cloud Custodian policies and embedded them into Terraform pipelines, improving security baseline enforcement and reducing manual effort by 70%.Collaborated with FinOps and engineering teams to implement cost tagging and naming standards, increasing cost traceability and visibility by 85%.Contributed to Agile ceremonies including sprint planning and retrospectives, and conducted peer code reviews, boosting development velocity and enhancing code quality by 20%.Led the architecture and implementation of multi-cloud infrastructure using Terraform, managing 1,000+ AWS accounts and 100+ Azure subscriptions.Designed and implemented real-time financial governance dashboards with Python, Boto3, and AWS Cost Explorer APIs, driving \$200K+ in annual savings.Spearheaded migration of legacy systems to CloudQuery-driven infrastructure with Go-based connectors, improving multi-cloud audit accuracy by 70%.Developed cost remediation workflows using AWS Lambda, Event Bridge, and Boto3, dynamically managing retention and scaling policies.Built centralized compliance observability tools using AWS Config, Azure Monitor, and Python analytics, reducing audit response time by 40%.Drove adoption of Apptio Cloudability for rightsizing and decommissioning efforts, leading to a 25% drop in monthly cloud spend.Conducted enablement sessions and mentored junior engineers on DevOps, cloud best practices, and cost-conscious architecture design.Led multi-team efforts to unify cost, performance, and reliability telemetry into a single observability layer integrated with Terraform and Docker workloads.	

TECHNICAL SKILLS

Programming and Scripting Languages: Python, Go, Bash, Groovy, Java, SQL, HTML, CSS, JavaScript, React.js.
Cloud Platforms & Services: AWS (EC2, Lambda, DynamoDB, API Gateway, S3, Step Functions, ElastiCache, RDS, CloudFront, VPC, ELB, Route 53, EBS, EKS, ECS, ECR, IAM, SNS, SQS, CloudWatch, CloudTrail, KMS, CloudFormation), Azure (Azure AD, Azure VMs, VNet, Azure DNS, Load Balancer, Azure Blob Storage, Azure Functions, AKS, CDN).
DevOps Tools & Technologies: Docker, Kubernetes, Terraform, Open Tofu, Jenkins, Git, GitHub Actions, Ansible, Linux, Cloud Custodian, Kibana.
Databases: MySQL, MongoDB, PostgreSQL
Concepts & Methodologies: Infrastructure as Code (IaC), CI/CD Pipelines, Serverless Architectures, Monitoring & Logging, Security & Compliance Automation, Agile, Scrum

EDUCATION

Bachelor of Computer Science and Engineering Koneru Lakshmaiah University	Aug 2018 - May 2022 Andhra Pradesh, India
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CERTIFICATIONS

- **AWS Certified Developer – Associate** **Aug 2022**
Issued by Amazon Web Services (AWS)
- **HashiCorp Certified – Terraform Associate** **Jun 2022**
Issued by HashiCorp
- **Microsoft Certified: Azure Developer** **Feb 2021**
Issued by Microsoft