

# Venkata Giri

Cloud Engineer

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## SUMMARY

Cloud and DevOps Engineer with 4+ years of experience in designing, implementing, and automating scalable infrastructure solutions. Skilled in full-stack DevOps processes, containerization, and Infrastructure as Code with a strong focus on technical support and troubleshooting. Passionate about enhancing reliability and security in cloud environments, while articulating complex Cloud and DevOps concepts effectively.

## WORK EXPERIENCE

### Capital One, Contract, USA - Cloud and DevOps Engineer

Jan 2025 - Present

- Built reusable Terraform modules in GitHub, integrated with Cloudbees Jenkins pipelines, reducing boilerplate infrastructure code and improving deployment efficiency by scaling operations.
- Automated data extraction workflows into AWS Lambda functions, enabling seamless ingestion into Snowflake databases and QuickSight dashboards, enhancing software systems performance.

### Accel Bi Corporation - Cloud Engineer Intern

Jun 2024 - Aug 2024

- Deployed containerized apps on Amazon EKS, optimizing cloud technologies and cutting costs by 20%, thus offering better commercial insurance solutions.
- Streamlined identity and access management processes by 30% through the design and implementation of secure IAM roles and protocols, enhancing data protection measures.
- Leveraged AWS CloudFormation to streamline infrastructure processes, cutting setup time by half and boosting operational reliability.

### Avizva Solutions - Infrastructure Engineer – L2

May 2022 - Nov 2022

- Automated workflows with Ansible playbooks, reducing system errors and saving 20+ hours of manual work weekly.
- Directed a successful migration from a monolithic architecture to microservices, leveraging Docker and Kubernetes, which slashed downtime during deployments by 90% and enhanced digital transformation.
- Optimized AWS cost by implementing autoscaling policies & Spot instances, reducing monthly cloud expenses by 35%.
- Implemented AWS IAM RBAC, ensuring security compliance and reducing unauthorized access risks by 70% through articulate planning.
- Designed scalable IaaS solutions on AWS, handling 10,000+ concurrent users with 100% service availability and reliability.

### Wipro Ltd | Cloud Engineer

Jun 2019 - May 2022

- Engineered robust CI/CD pipelines utilizing Jenkins, achieving a 30% reduction in software delivery time and enhancing operational efficiency through innovative methodologies.
- Led AWS CloudFormation deployment for legacy infrastructure migration, successfully reducing costs by 30% and accelerating software release cycles by 50% while enhancing product quality.
- Monitored 20+ environments using Nagios XI, Prometheus, and ELK Stack, ensuring 99.9% uptime and faster issue resolution by 30%.
- Automated routine tasks using Bash scripts, saving significant time and improving operational efficiency.
- Spearheaded cloud cost management initiatives, identifying underutilized resources and reducing expenses by 20%, offering cost-effective solutions to carriers and agents.

## PROJECTS

### End-to-End Automation for Booking Application

- Engineered a scalable GoLang booking application on AWS by leveraging Terraform, enhancing infrastructure management through Infrastructure as Code for high availability.

### Serverless Application for Real-Time Data Processing, Medium blog

- Developed a serverless AWS solution utilizing S3, Lambda, DynamoDB, and API Gateway, enabling real-time data processing and ensuring system scalability, while improving overall cloud infrastructure efficiency.

## SKILLS

Cloud Platforms & IaC	: AWS, Azure, Terraform, Ansible, CloudFormation
Containers & Orchestration	: Docker, Kubernetes, EKS, ECS, Fargate
Automation & CI/CD	: Jenkins, AWS CodePipeline, Azure DevOps, GitHub Actions
Programming Languages	: Python, Bash, PowerShell, Golang
Monitoring & Logging	: Grafana, Prometheus, AWS CloudWatch, Azure Monitor
Certifications	: AWS Cloud Practitioner, AWS Solutions Architect – Associate, Azure Fundamentals (AZ-900)
Relevant Skills	: Agile, Ruby On Rails, Infrastructure as Code, Security Compliance, EC2, Amazon Web Services, Scale, Articulate, Onboarding, Cloud Formation

## EDUCATION

The University of Texas at Dallas - Masters, Information Technology and Management

Chaitanya Bharathi Institute of Technology - Bachelors, Mechanical Engineering