

V R KRISHNAMACHARYULU PERIYALA

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SUMMARY

- Cloud and DevOps Engineer with experience designing scalable cloud infrastructure and automating deployment pipelines, accelerating deployment by 45%. Optimized system performance by implementing efficient data structures and algorithms in C++. Skilled in AWS, Terraform, Docker, and Kubernetes to streamline cloud operations and enhance system efficiency.

INTERNSHIP EXPERIENCE

Cloud Application Architect May 2025 – July 2025

- Spearheaded the development of a live GPS-based school transport monitoring system; led a team of 3 Flutter developers and 2 cloud engineers.
- Architected a fully serverless backend using AWS Lambda, EventBridge, and SNS, which led to a 60% drop in parent-reported delays.
- Engineered scalable APIs to support 10K+ daily requests with sub-200ms latency, significantly enhancing location update responsiveness.
- Achieved a 95% improvement in real-time data precision by triggering Lambda functions every 10 seconds to calculate vehicle speed.

Cloud Engineer June 2024 - July 2024

- Designed and developed the Travel Tale website using HTML and CSS, increasing site engagement by 30%.
- Managed version control for the project by regularly pushing code updates and resolving merge conflicts using Git Bash and GitHub, ensuring smooth collaboration among team members
- Led the deployment process by configuring and deploying the website on an AWS server, ensuring high availability and smooth performance for end-users, ensuring 99.9% uptime and optimizing performance.

TECHNICAL SKILLS

- Programming Languages: C++, C
- Cloud Platforms: AWS, Azure, Google
- DevOps & Automation: Docker, Kubernetes, Terraform, Ansible.
- CI/CD & Code Quality: Jenkins, GitHub Actions
- Networking & Security: Load Balancers, Firewalls, IAM, SSL/TLS, VPC, VPN
- Database & Storage: MySQL, S3, Blob Storage
- Version Control & Collaboration: Git, GitHub.
- Operating Systems:- Windows, Linux.

SOFT SKILLS

- Strong communicator with a proven ability to align cross-functional teams and drive shared goals.
- Collaborative team player, contributing to smoother workflows and increased overall project efficiency.
- Effective at coordinating stakeholders and maintaining clear communication throughout project lifecycles
- Skilled in building positive working relationships and fostering a productive, team-oriented environment

PROJECTS

- Deployed Static and Database-Driven Websites on AWS and Other Platforms.
 - Deployed both static and database-driven websites using AWS services, improving page load speeds by 50% and Ensuring 99.9% uptime.
 - Configured 10+ servers, enhanced security settings, and improved website performance by reducing downtime by 30%.

- Automated Infrastructure and Deployment Using Jenkins, Terraform, Kubernetes, and Docker.
 - Automated deployment pipelines and infrastructure management using Jenkins, Terraform, Kubernetes, and Docker
 - Wrote Jenkins pipelines for CI/CD automation, provisioned infrastructure using Terraform, containerized applications with Docker, and orchestrated deployments with Kubernetes, ensuring efficient and reliable deployment workflows
- Automated S3 Data Cleanup for Cost Optimization.
 - Developed an AWS Lambda function that scans and deletes S3 objects older than 30 days, reducing unnecessary storage class
 - Configured an Event Bridge (Cloud Watch Events) rule to trigger the Lambda function every 24 hours, ensuring regular cleanup
 - Reduced manual intervention by 100%, automating the cleanup process for stale data.
 - Optimized S3 storage costs, achieving an estimated 20-30% reduction in unnecessary storage expenses
- Live Bus Tracking System
 - Led end-to-end development of a real-time school bus tracking app, managing 3 Flutter developers and 2 Cloud Engineers.
 - Designed a serverless architecture using AWS Lambda, EventBridge, and SNS, reducing bus lateness complaints by 60%.
 - Triggered Lambda every 10s via EventBridge to calculate bus speed from GPS, improving tracking accuracy by 95%.
 - Implemented geofencing-based overspeed alerts and 500m proximity warnings, cutting parent wait time by ~80%.
 - Built secure APIs for live GPS input from drivers, processing 10K+ requests/day with <200ms latency.
 - Used MySQL to manage driver shifts, speed logs, and student route data, achieving 99.99% uptime with zero data loss.

EDUCATION

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| Bachelor of Technology | 2022-2026 |
| Aditya College of Engineering and Technology | |
| <ul style="list-style-type: none"> • Major in CSE-IOT. • Achieved a CGPA of 7.94 | |
| Intermediate with MPC | 2020-2022 |
| Aditya Junior College | |
| <ul style="list-style-type: none"> • Secured 840 out of 1000. | |

CERTIFICATIONS

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| • Google Cloud Career Launchpad | August 2024 |
| • Cisco Certified CCNA | July 2024 |
| • AWS Certified Cloud Practitioner | June 2025 |

ACHIEVEMENT

- [Geeks for Geeks](#)
- [Credly](#)
- [Leetcode](#)