Siva Chandrasekhar Javvadi

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Professional Summary

- **Lead DevOps Engineer** with **3+ years** of experience in designing and automating scalable cloud infrastructures on **AWS**.
- Expertise in CI/CD pipelines, Infrastructure as Code (Terraform, CloudFormation), container orchestration (Kubernetes, Docker), and monitoring solutions (Prometheus, Grafana, Nagios).
- Proven track record of improving deployment speed by 30%, reducing cloud costs by 20%, and driving 99.99% system uptime through automation and DevSecOps best practices.

Key Skills

- **Cloud Technologies** : AWS (EC2, Lambda, S3, ECS, VPC, Route53)
- **CI/CD & Automation** : Jenkins, GitHub Actions, AWS CI/CD(CodeBuild, CodeDeploy, CodeCommit)
- **IaaC and Scripting** : Terraform, Python, CloudFormation, Ansible, Bash
- **Orchestration** : Kubernetes, Docker, Docker Swarm, Amazon EKS
- **Messaging Services** : Kafka, AWS Event Bridge & SQS
- **Monitoring & Logging** : Prometheus, Grafana, CloudWatch
- **Security & Compliance** : SonarQube, AWS Guard Duty, AWS Config, Inspector, Synk
- **Build and SCM Tools** : Git, GitHub, Maven, Nexus Artifactory, GitLab
- **Databases** : MySQL, PostgreSQL, Aurora DB, MariaDB

Work Experience

- **Sep 2022 – Present**, **AWS DevOps Engineer** at **Rackera Inc**, Hyderabad, India

Key Projects

Lead DevOps Engineer, Rackera Inc, Hyderabad **Nov 2024 – Present**
Project: Dolphin HR (an HRMS Portal)

Responsibilities:

- Spearheaded **end-to-end CI/CD automation** using Jenkins, Git, and Kubernetes, accelerating deployment speed by **30%** and ensuring zero-downtime releases.
- Architected **highly available AWS infrastructure** (CloudFront, EC2, S3, EKS, VPC, IAM, Route 53, EventBridge, Lambda, CloudWatch), achieving **99.9% uptime** for mission-critical workloads.
- Engineered **Infrastructure as Code (IaC)** with Terraform and Ansible, provisioning environments **70% faster** and ensuring fully reproducible, scalable deployments.
- Designed and enforced **auto-scaling strategies** and Elastic Load Balancers, delivering **99.99% uptime SLA** and seamless scaling under peak loads.

- Implemented proactive **monitoring and observability stack** (Prometheus, Grafana, CloudWatch), reducing incident resolution time by **50%** and boosting system reliability.
- Optimized **cloud resource allocation** with cost governance strategies (Reserved Instances, Savings Plans, S3 lifecycle policies), cutting AWS spend by **20% - 60%** without performance trade-offs.
- Championed **DevSecOps practices** by integrating static code analysis (SonarQube) and security scans into pipelines, improving vulnerability detection by **45%** before production.

Rackera Inc, Hyderabad, India **Sep 2022 – Nov 2024**
AWS DevOps Engineer/Linux Engineer

Responsibilities:

- Managed **20+ global applications** on AWS, ensuring **99.99% reliability** and reducing **operational overhead by 20%**.
- Automated **CI/CD pipelines**, cutting deployment time by **30%** while adhering to **security and compliance standards**.
- Achieved **100% compliance** with industry regulations, reducing risk exposure by **40%**.
- Led **cloud cost optimization strategies**, cutting AWS expenses by **15%** while scaling to meet **50% growth** in demand.
- Modernized application delivery by **containerizing microservices** with Docker and Kubernetes, enhancing scalability by **40%** and reducing deployment rollbacks.
- Enhanced **system observability**, reducing **MTTR (Mean Time to Recovery) by 50%** and improving incident response efficiency.
- Tuned **Linux servers** for **1,000+ users**, boosting system processing efficiency by **20%**.
- Optimized **network configurations**, reducing latency by **30%** and ensuring secure communication protocols.
- Automated **backups** and **system updates**, reducing admin overhead by **40%** and achieving **99.99% data reliability**.
- Configured **AWS CloudWatch** across **20+ EC2 instances**, cutting performance bottleneck resolution time by **90%**.
- Automated **cloud infrastructure provisioning**, reducing setup time by **70%** and enabling **consistent scalability**.

EDUCATION

- **Bachelors in Technology, MVR College of Engineering** – **JNTUK** – **2021** | CGPA – **8.03**