ARUNACHALAM GANESAN
AWS Cloud Engineer | Aspiring DevOps Engineer
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PROFILE SUMMARY
AWS Cloud Engineer with 2+ years of hands-on experience in designing, deploying, and supporting scala
cloud infrastructure on AWS. Strong background in Linux administration, IT support operations, and
system integrations including Zoho and Microsoft Office 365. Extensively worked on EC2 deployments,
Application Load Balancers, Auto Scaling, Lambda, S3, and CloudFront. Currently transitioning into
DevOps by applying CI/CD, containerization, and Infrastructure as Code practices in real projects.

KEY HIGHLIGHTS
- Reduced EC2 downtime by 30% using CloudWatch-driven Auto Scaling and proactive monitoring.
- Migrated 4+ legacy applications to AWS, improving reliability and performance.
- Designed and deployed multi-tier AWS architectures using EC2, ALB, Auto Scaling, S3, and CloudFront
- Built and standardized Jenkins CI/CD pipelines, improving release speed by 40%.
- Implemented Infrastructure as Code using Terraform and Ansible to reduce manual provisioning.
- Integrated Azure Entra ID with AWS IAM Identity Center for centralized access management.
- Mentored 3+ junior engineers on AWS and DevOps best practices.

CORE SKILLS
AWS: EC2, VPC, S3, Lambda, API Gateway, CloudFront, ALB, Auto Scaling, IAM, WAF
DevOps: Docker, Kubernetes (EKS), Jenkins, Git, Bitbucket
Infrastructure as Code: Terraform, Ansible
Linux Administration & IT Support
Zoho, Microsoft Office 365, Azure Entra ID
Monitoring: CloudWatch, SNS, SonarQube
Web Servers: Nginx, Apache

WORK EXPERIENCE
ZustPe Technologies Pvt Ltd – AWS Cloud Engineer | Jul 2024 – Sep 2025
- Designed and deployed EC2-based production workloads with ALB and Auto Scaling, improving availab
- Implemented S3 + CloudFront architecture for static frontend delivery and reduced latency.
- Developed Lambda-based background processing services and API integrations.
- Built and secured VPC networking, IAM roles, and security groups.
- Configured CloudWatch monitoring, logs, and alarms for proactive issue detection.
- Administered Linux servers and handled system troubleshooting and recovery.
- Provided IT support for Office 365 administration and Zoho system integrations.
- Applied DevOps practices using Docker, Jenkins CI/CD pipelines, Terraform, and Ansible.

PROJECTS
Full Stack Application Deployment on AWS
- Deployed React frontend and Node.js backend using a 3-tier AWS architecture.
- Frontend hosted on S3 and distributed via CloudFront for global access.
- Backend services deployed on EC2 instances behind an Application Load Balancer.
- Configured Auto Scaling Groups to handle traffic spikes and improve availability.
- Used MongoDB Atlas as a managed database service.
- Secured infrastructure using IAM roles, Security Groups, and AWS WAF.
- Implemented CloudWatch metrics, logs, and alarms for monitoring.
Tech Stack: EC2, ALB, Auto Scaling, S3, CloudFront, IAM, WAF, CloudWatch, React, Node.js

CI/CD Pipeline Automation (Company Project)
- Designed and implemented Jenkins CI/CD pipelines for Dev, QA, and Prod environments.
- Integrated pipelines with Bitbucket for automated build and deployment workflows.
- Containerized applications using Docker for environment consistency.

- Integrated SonarQube for static code analysis and quality gates.
- Implemented automated rollback mechanisms to ensure stable releases.
- Configured email and Microsoft Teams notifications for build status.
Tech Stack: Jenkins, Docker, Bitbucket, SonarQube, Shell Scripting, Linux

Infrastructure as Code and Configuration Management
- Automated AWS infrastructure provisioning using Terraform.
- Provisioned EC2, ALB, IAM roles, and networking components as code.
- Used Ansible for configuration management and application setup.
- Reduced manual provisioning effort and improved consistency across environments.
Tech Stack: Terraform, Ansible, AWS, Linux

IAM and SSO Integration Project
- Integrated Azure Entra ID with AWS IAM Identity Center for centralized authentication.
- Designed role-based permission sets for development, testing, and production.
- Improved access governance, auditability, and security posture.
- Simplified user onboarding and offboarding processes.
Tech Stack: AWS IAM Identity Center, Azure Entra ID, IAM

EDUCATION
B.E. Computer Science Engineering – PB College of Engineering | 2015 – 2019