

Sabarinathan R

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📍 Bengaluru, Karnataka

Professional Summary

Aspiring **AWS Cloud Engineer** skilled in deploying scalable, secure, and automated cloud infrastructures using AWS services. Hands-on with EC2, S3, IAM, VPC, Lambda, RDS, CloudWatch, Elastic Beanstalk, cloud formation, and CI/CD pipelines. Strong foundation in Linux, networking, automation, and Infrastructure as Code with a passion for designing solutions aligned with enterprise cloud architecture standards.

Certifications

- AWS Certified Cloud Practitioner — [Link](#)
- AWS re/Start Graduate — [Link](#)

Skills

- **AWS Compute & Serverless:** EC2, Lambda, Elastic Beanstalk, Auto Scaling, Load Balancers, API Gateway
- **AWS Storage & Databases:** S3 (Versioning, Lifecycle), RDS, DynamoDB, EBS
- **AWS Networking:** VPC, Subnets, Route Tables, NAT Gateway, NACLs, Security Groups, Route53 (Basic)
- **Monitoring & Security:** CloudWatch Metrics, Logs, Alarms, CloudTrail, IAM, KMS (Basic)
- **Infrastructure as Code:** cloud formation, Terraform (Basics)
- **DevOps Tools:** Git, GitHub, Jenkins, Docker, GitHub Actions
- **Scripting & OS:** Linux Administration, Bash, Python (Basics)
- **Other Tools:** ALB, ASG, S3 hosting, CloudWatch dashboards

Projects

1. Enterprise-Grade 3-Tier Web Application Deployment on AWS

- Architected and deployed a production-ready **3-tier web application** using isolated VPC subnets aligned with AWS Well-Architected Framework.
- Implemented high availability through **Application Load Balancer** and Auto Scaling Groups to handle variable workloads.
- Configured S3 with versioning, lifecycle rules, and access controls to ensure secure and cost-optimized storage.
- Built monitoring workflows using CloudWatch dashboards, alarms, logs, and metric filters for real-time observability.
- Applied IAM least-privilege, secure SG rules, and network segmentation to meet enterprise security requirements.

2. Serverless Microservice API on AWS

- Designed and implemented a **scalable serverless API** using API Gateway and AWS Lambda for zero-maintenance compute.
- Optimized DynamoDB schema for high read/write throughput and low latency.
- Developed full monitoring lifecycle with CloudWatch Logs, metrics, and structured event logs.
- Secured API execution with IAM roles, environment secrets, and encryption policies.

3. Application Deployment using Elastic Beanstalk (Managed PaaS)

- Deployed a containerized application using Elastic Beanstalk's managed orchestration with multi-AZ resiliency.
- Integrated RDS for persistent storage and used environment variables for secure app configurations.
- Automated deployment artifacts through S3 and Beanstalk configuration templates.
- Improved release stability through rolling updates, health checks, and environment monitoring.

4. Infrastructure Automation using CloudFormation (IaC)

- Authored reusable CloudFormation templates for VPC setup, EC2 provisioning, routing, IAM roles, and S3 configurations.

- Enabled consistent multi-environment deployments (dev, test, prod) with parameterized template design.
- Reduced human error by automating infrastructure provisioning, teardown, and drift elimination.

5. Automated CI/CD Pipeline Implementation

- Created a CI/CD pipeline using Jenkins on EC2 for automated build, testing, and deployment workflows.
- Integrated Docker containerization and GitHub Webhooks for seamless continuous integration.
- Automated deployment rollouts to Elastic Beanstalk / EC2, reducing deployment time and manual effort.

Education

B. Sc. Computer Science	2022–2025
<ul style="list-style-type: none"> • Govt Arts College (A), Salem • CGPA: 6.35 	
Class XII	2021–2022
<ul style="list-style-type: none"> • Holy Cross Matric Hr Sec School, Salem • Percentage: 71.5% 	
Class X	2019–2020
<ul style="list-style-type: none"> • Holy Cross Matric Hr Sec School, Salem • Percentage: 70% 	

Languages

- English
- Tamil
- Kannada