

THARUN M

Cloud Engineer

Mail ID: tharunme25@gmail.com | Contact: [+91-80565 54478](tel:+91-8056554478) | LinkedIn: [tharun-m](https://www.linkedin.com/in/tharun-m) | GitHub: [tharun-me](https://github.com/tharun-me)

EXPERIENCE

Shellkode

Coimbatore

Cloud Engineer

Mar 2025 – Present

- Designed **monitoring** dashboards and alarms to track infrastructure utilization, system health, application latency, and error rates, enabling proactive incident response and maintaining **99.9% system availability**.
- Optimized AWS **cloud costs** by identifying and decommissioning underutilized resources (EBS volumes, AMIs, S3, EIPs, metrics) and recommending Savings Plans and Reserved Instances, achieving a **47% reduction in monthly spend**.
- Migrated** Public EC2 workloads to secure ECS, automated deployments with AWS CI/CD Services, and integrated **Trivy** for container vulnerability scanning to enhance **security** and reduce **manual effort**.
- Strengthened cloud **security** posture by conducting internal audits using **Prowler**, remediating high-risk vulnerabilities to align and assist with **PCI-DSS** and **HIPAA** compliance standards for clients in the Fintech and Healthcare sectors.

IITM Research Park

Chennai

DevOps Intern

Jan 2024 – April 2024

- Developed web prototype, using the Smarty Framework (PHP), later integrated into the final app on [Google Play Store](#).
- Leveraged **AWS services** (EC2, Cognito, SNS, RDS, S3, IAM) to deploy a scalable system, manage authentication, handle notifications, and store data efficiently.

DotCom Infoway

Madurai

Front-End Intern

June 2023 – July 2023

- Developed responsive, interactive web pages and improved UI/UX using HTML, CSS, and JS for a [Real world Project](#)

PROJECTS

TagOps : Multi-Region AWS Resource Management CLI

- Engineered a safety-oriented Python **CLI** tool to discover and manage associated AWS resources across multiple regions using a single **tag-based** entry point
- Automated dry-run planning and cleanup workflows to visualize dependencies and safely decommission resources, reducing manual effort and preventing accidental deletions

ESleep2 : Automated Server Manager

- Designed tag-based Lambda **automation** to start/stop Instances based on business hours, supporting multi timezones
- Reduced** non-production **costs** by running only during active development hours, achieving significant cost savings

Automated Tag-Based Monitoring

- Automated CloudWatch Agent deployment via SSM for resources tagged with **Monitoring** = Yes
- Standardized memory and disk alerts with CloudWatch **Alarms** and SNS notifications, eliminating manual setup and configuration drift

Cost & Usage Dashboard

- Built Managed Grafana dashboards with CloudFormation, Athena, and Glue to analyze CUR, visualize costs, detect idle resources, and provide actionable FinOps insights.

CERTIFICATION

AWS Certified Solutions Architect - Associate

Expected Feb 2026

AWS Certified Cloud Practitioner

Feb 2025

Google Cloud Fundamentals: Core Infrastructure

Nov 2022

SKILLS

Cloud Infrastructure: EC2, ECS, Lambda, S3, RDS, VPC, IAM, CloudFront, Route 53, DynamoDB, Bedrock, SSM, *CloudFormation*

Core Skills : Networking, Operating System, Linux, Troubleshooting

Tools: GitHub, CI/CD, Prowler, Trivy, Docker, Kubernetes, Terraform

Programming: Python, Boto3, SQL, JavaScript, HTML/CSS

Soft Skills: Communication Skills, Problem-Solving, Critical Thinking, Teamwork and Collaboration

EDUCATION

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Dindigul, Tamil Nadu

B.Tech in Computer Science & Business Systems

Graduated: May 2025 CGPA: 7.9/10