

# Dayalan T

## CLOUD ENGINEER

Email : [dayalan1120@gmail.com](mailto:dayalan1120@gmail.com)

Mobile : +91-9566159319



### PROFILE

- Professional with 5+ years of diverse IT experience, specializing in **Cloud/DevOps technology** focused on user management, infrastructure monitoring, and designing cloud-based solutions
- Experienced **Learning & Development** strategist, effectively identifying and tracking training programs to meet development needs
- Skilled in managing **Accounts receivable** for US-based clients, implementing best practices, and reducing outstanding receivables through meticulous record-keeping

### TECHNICAL SKILLS

A demonstrable good level of proficiency in the below tools along with willingness and capability to learn and adapt to other technologies at a quick pace

- O.S: **Windows, Linux (Ubuntu)**
- Cloud Platforms: **AWS, Azure, GCP**
- Scripting: **Bash, Python**
- Monitoring: **Datadog, Prometheus, Grafana**
- DevOps tools: **Jenkins, Docker, Ansible, Git**
- Ticketing tool: **JIRA**

### PROFESSIONAL EXPERIENCE

#### CloudifyOps private limited | Chennai Associate Cloud Engineer | Dec 2022 - Present

##### Role - AWS

- Using the management console, spin up/shut down servers (Ubuntu) with standard protocols based on the request
- Implement the configuration of Prometheus, Grafana, CloudWatch visualization tool for Dev. environment servers & also integrate alert mechanism with the Slack application
- Using Lambda function/SSM, execute a scheduled instance start-up/shutdown for cost optimization & created custom metric to trigger via lambda
- Responsible for adding additional EBS storage to EC2 instances upon client's requests, ensuring sufficient storage capacity
- Carry out sanity testing by executing a set of predefined test cases on the dev environment
- Continuous monitoring of metrics & services running on Dev servers using Grafana and Troubleshooting & Administering on server anomalies
- Using Datadog; monitoring the production services & reporting back to the client on abnormalities on ELB (HTTP 5xx, Request count, healthy host, response time), EMR step failures, logs management
- Triggering Jenkins at scheduled intervals on production builds. Running queries on snowflake worksheets upon required
- Filing JIRA tickets on anomaly detection on Dev/Prod environment & Error/Fatal logs from Prod env
- Monitor and optimize cloud spending to ensure cost-effective use of resources & running weekly reports on unused AWS resources leveraging cost explorer for cost optimization

##### Role - Azure

- Using the Azure console, spin up/shut down the Web-app & function-app on selective markets on the Dev environment upon request
- Monitoring the storage threshold of SQL-managed instances & scale-out the storage if required
- Carry out quick sanity testing on Dev & Prod environments web portal, as a regular follow-up
- Using the Clone App feature, migrating Web-apps to other App-Service-plan with their corresponding Function-apps

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## Cognizant Technology Solutions | Chennai

Programmer | Sep 2021 – Dec 2022

### Role – AWS

- IAM administration (Creating Users, Groups, Roles, Policies)
- Create IAM Users account, role-based policies and Group and assign individual policies to each group
- Create S3 bucket backups using versioning enabled and archive outdated data to Glacier through Life-Cycle policy configuration
- Creating AWS Multi-Factor Authentication (MFA) for instances RDP/SSH logon, worked with team to lock down the security groups
- Based on the request will launch LAMP-stack using Lightsail for the UAT environment
- Perform full AMI backups for all provisioned instances for critical workload
- Setup Cloud watch alarms, setting up CloudTrail, Creating S3 bucket, define security groups depending on the parameters of access given and based on the requirement
- Creating Cloud watch alarms actions that is taking care of EC2 Auto recovery and Auto reboot for instance that failing systems status check and Instance status check and SNS notification to monitor AWS services

### Coordinator HR (Learning & Development)

(Aug 2019 – Jul 2021)

- Facilitate support in execution of courses in the monthly calendar
- Monitor the delivery of courses by execution of checklist based on the program plan laid down by the Learning Delivery head
- Interact with Key stakeholders during program execution for all programs
- Handled technical troubleshooting on WebEx within an enterprise environment, including system crashes, slow-downs, and data recoveries. Engaged and tracked priority 1 issues, with responsibility for the timely documentation, escalation (if appropriate), resolution, and closure of trouble tickets

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## Visionary RCM infotech | Chennai

Junior AR analyst | Jun 2018 - Jul 2019

### Role

- Handle inbound and outbound calls from customers as appropriate for issue resolution
- Document relevant information to facilitate efficient issue resolution and future reference
- Responsible for managing week/monthly performance reports. Working with internal and client leads to understand client's problem statements, and develop appropriate responses to assist the client

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### PROJECTS

- Build a Serverless Web Application on AWS using Amplify & API Gateway - [GitHub](#). [Medium](#)
- Automate the start/stop of servers using the SSM Maintenance window - [Medium](#)
- Built & Host a Java based social networking application & Refactor it on cloud - [GitHub](#)

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### CERTIFICATION/TRAINING

- **AWS SYSOPS ADMINISTRATOR** [certified](#) (Validation No. 9QQ2BCBC81Q11DS7)
- **AWS CLOUD PRACTITIONER** [certified](#) (Validation No. HM2W2SNB3BFQQF3D)
- **PYTHON ESSENTIALS** [certified](#) from Cisco Academy

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### EDUCATION

Bachelor of Computer Science (B.Sc) - GURUNANAK College 2015 - 2018