

ESWAR VARDHAN

Boston, MA | 978-423-1913 | vardhaneswar213@gmail.com | <https://www.linkedin.com/in/eswar-varadhan-3624611b6/> |

PROFILE SUMMARY

AWS-focused Cloud Engineer with over 3 years of experience in cloud automation, Infrastructure as Code (IaC), and CI/CD pipeline optimization. Proven expertise in AWS services, Terraform, Python, and PowerShell scripting, delivering scalable solutions and infrastructure automation in agile environments. Skilled in CloudWatch monitoring, EC2 management, and GitOps deployment strategies with certifications and strong technical documentation abilities.

EXPERIENCE

Automation Engineer | HCL Technologies

Sep 2022 – Dec 2023

- Streamlined CI/CD workflows using Jenkins, Azure DevOps, and GitLab, cutting deployment time by 70% and enhancing reliability for enterprise apps like Dynamics CRM.
- Developed reusable Terraform modules for AWS infrastructure (EC2, VPCs, etc.), achieving 60% faster provisioning and adhering to Infrastructure as Code best practices.
- Designed CloudWatch dashboards and automated health checks, ensuring 99.9% pipeline uptime while optimizing infrastructure performance.
- Automated deployments with PowerShell and Python, reducing containerized app deployment failures by 40%.
- Streamlined cloud solutions in collaboration with agile teams, translating business needs into technical documentation.

Cloud Operations Engineer | HCL Technologies

Sep 2021 – Aug 2022

- Managed multi-environment AWS infrastructure (EC2, VPC, CloudWatch) with 99.8% uptime through proactive monitoring and optimization.
- Automated workflows using PowerShell and Terraform, cutting provisioning errors by 30% and improving system reliability.
- Developed technical documentation for cloud operations, troubleshooting, and infrastructure processes, improving system efficiency by 25%.
- Designed and implemented monitoring solutions using CloudWatch and custom alerts, reducing incident response time by 40%.
- Managed over 100 cloud services in AWS, ensuring optimal performance, security compliance, and seamless operations.

Infrastructure Engineer-Intern | DHAAPS

Jan 2021 – Jun 2021

- Spearheaded Kubernetes adoption, driving containerization strategies that boosted cost efficiency by 20%.
- Automated infrastructure by managing 15+ cloud resources with Terraform and deploying scalable Node.js applications on Azure App Services.
- Managed and optimized 20+ Linux servers by implementing access controls, automation scripts, and security hardening, achieving 99.9% uptime and reducing security incidents by 40%.
- Designed and documented cloud solutions, while delivering knowledge transfer sessions to streamline adoption across development teams.
- Configured scalable cloud infrastructure by setting up IAM policies, networking, auto-scaling, and secret management to ensure secure deployments.

TECHNICAL SKILLS

- Cloud Platforms:** Microsoft Azure (VMs, VNets, App Gateway, Azure DNS, Bicep, Azure DevOps – AZ-900, AZ-104), AWS (EC2, S3, Lambda, EKS, VPC, CloudWatch, API Gateway, SES).
- Amazon Web Services (AWS):** EC2, S3, Lambda, EKS, VPC, CloudWatch, API Gateway, SES, IAM, Auto Scaling
- Microsoft Azure:** VMs, VNets, App Gateway, Azure DNS, Azure DevOps, Azure Monitor (AZ-900, AZ-104 certified)
- IaC Tools:** Terraform, Bicep, Ansible, Packer, AWS CloudFormation
- Scripting & Programming:** Python, PowerShell, Bash, C, Go, Java, SQL
- CI/CD & DevOps:** GitLab CI/CD, Jenkins, GitHub Actions, Azure DevOps, Groovy
- Container Technologies:** Docker, Kubernetes (CKA certified), Helm, ArgoCD, Istio
- Cloud Platforms:** AKS, EKS with auto-scaling and monitoring integration
- Monitoring Tools:** AWS CloudWatch, Prometheus, Grafana, Azure Monitor, Log Analytics
- Dashboard Creation:** CloudWatch dashboards, Grafana visualizations, health monitoring systems
- Security:** IAM, TLS/SSL, VPN, Firewalls, Load Balancers, SSO, DNS management
- Network Management:** VPC design, security groups, network optimization
- Databases:** PostgreSQL, MySQL, Oracle, Redis, MongoDB, Kafka
- Version Control:** GitHub, GitLab, Jira, ServiceNow

EDUCATION

Master's of Science in Computer Science | Rivier University, Nashua, NH

Relevant coursework: Operating Systems, Computer Networks (with Wireshark), Virtualization, Embedded Systems

Dec 2025

PROJECTS

E-Commerce Microservices Platform

- Developed and deployed a scalable e-commerce app on **AWS** using **Terraform and EKS**, containerizing 10+ services with Docker & Kubernetes, while optimizing rollouts with **ArgoCD** and integrating **Redis + MySQL** for zero-downtime deployments and high performance

Daily Loan Alerts Automation

- Built a cloud-based financial automation system that calculates daily student loan interest using Google Sheets data and delivers real-time alerts via AWS Lambda, SNS, and a Telegram bot, eliminating manual tracking, Used python as code.

- EEG Emotion Recognition Research** – Conducted ML experiments on EEG signals for emotion detection, using feature engineering.