

# Varunsimha M P

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A Dynamic Cloud & Server Engineer with 1.9+ years of experience in cloud infrastructure, hybrid cloud, automation, system administration, and troubleshooting. Proficient in AWS, Linux (RHEL, CentOS, Ubuntu), Azure, Windows Server, Docker, Ansible, Terraform and CI/CD pipelines (Jenkins, GitHub Actions). Expertise in cloud security, auto-scaling architecture, server virtualization, and infrastructure optimization. Proven track record in managing customer queries, providing exceptional service, and solving complex technical issues efficiently. Excellent communicator with strong time management skills, committed to continuous learning and professional growth.

## Experience

APRIL 2024 – PRESENT

**System Engineer | Stratogent Company | Bengaluru, India**

### AWS Cloud Infrastructure & Automation:

- Configured and managed AWS resources such as EC2, EBS, EFS, S3, and automated tasks using Lambda, ensuring secure access through IAM roles and mounting S3 to Linux servers.
- Designed VPCs, NAT Gateways, VPC Peering, and Transit Gateways with Security Groups and NACLs, optimizing network security and connectivity.
- Implemented Auto Scaling Groups, Load Balancers, Route 53, CloudWatch monitoring, and AWS Backup for traffic management, high availability, and disaster recovery.
- Deployed and managed Docker containers to maintain consistency across development and production environments.
- Designed CI/CD pipelines using Jenkins, optimizing deployment times and ensuring zero downtime deployments.
- Applied knowledge of Terraform for infrastructure automation and Infrastructure as Code (IaC) practices

### Linux System Administration:

- Managed RHEL/CentOS and Ubuntu/Debian environments, handling user access, file permissions (ACLs), Samba/NFS shares, storage optimization, disk management (LVM, partition expansions), troubleshooting performance issues through log analysis, and configuring networking settings such as static IPs, DNS, and domain additions.

### Azure & Windows Server Management:

- Managed Azure VMs, configured VNets and security rules, set up Azure Monitor alerts, and automated backups for disaster recovery, while also handling Windows Server disk resources, expanding CPU, RAM, and disk space both from cloud and vCenter.

**Key Technologies:** AWS, Docker, CI/CD Pipeline (Jenkins), Terraform, Linux (RHEL, CENTOS), Azure, Windows Server, vCenter.

JULY 2023 – MARCH 2024

**Trainee System Engineer | Stratogent Company | Bengaluru, India**

- Monitored and resolved cloud and server issues in a 24/7 NOC environment.
- Worked in managing Windows and Linux servers, including basic troubleshooting and maintenance.
- Worked in patching and updates using Ansible for Linux servers and ManageEngine for windows.
- Documented and escalated incidents as per ITIL processes.

**Key Technologies:** AWS, Azure, Linux Server, Windows Server, vCenter.

## Skills

- Cloud Platforms: AWS (EC2, ECS, RDS, S3, IAM, Route 53, Lambda, CloudWatch and many more) | Azure (VM, VNets, backups, monitor alerts)
- DevOps Tools: Docker, Git, CI/CD Pipeline (Jenkins, GitHub Actions).
- Infrastructure as code: Terraform, Ansible.
- Operating System: Linux (Red hat, CentOS, Ubuntu, Debian), Windows.
- Networking: TCP/IP, DNS, Load Balancers, VPN, VPC, NAT Gateway.
- Soft Skills: Problem-Solving | Communication | Collaboration | Troubleshooting | Leadership.

## Projects

### **Automate and scalable CI/CD Pipeline for Serverless Django on AWS | Feb 2024 - Feb 2024**

- Developers push code to GitHub and manually trigger Jenkins builds on EC2.
- Jenkins automates Docker image creation and pushes it to Amazon ECR for version control.
- Deploys Django on AWS ECS (Far gate) with ALB for secure and scalable traffic handling.
- Ensures zero-downtime deployments using rolling updates (100% min, 200% max running tasks).
- Integrates Amazon RDS for database management and Route 53 for domain resolution.

### **A Secure Multi-Tier Web Application Architecture on AWS | Dec 2024 – Jan 2025**

- Ensures secure operations by separating public and private resources within VPCs.
- Uses Amazon RDS for database management and S3 with VPC endpoints for secure data storage.
- Implements ACM for SSL certification and Route 53 for reliable domain resolution.
- Enables secure cross-region communication via VPC peering and controlled internet access with NAT Gateway.
- Uses ALB for HTTPS traffic to applications and optimizes costs via AWS Lambda, Event Bridge to manage instance usage.

## Certifications

- AWS Certified Cloud Practitioner, AWS
- Containerization with Docker: Beginner to Expert - Udemy
- AWS Services for Solutions Architect Associate - Udemy
- NDG Linux Essentials - Cisco Networking Academy

## Education

AUGUST 2019 – MAY 2023

**B. TECH | COMPUTER SCIENCE & ENGINEERING | 8.74 CGPA | MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE**

## STRENGTH

- Strong time management, consistently meeting deadlines in fast-paced environments.
- Proven ability to troubleshoot and resolve complex cloud and server issues efficiently.
- Adaptable to change and capable of quickly learning and adjusting to new challenges.