PRASANTH S

Associate DevOps Engineer | AWS DevOps Engineer | DevOps Engineer | AWS Cloud | Terraform | Jenkins | GitHub Actions | Docker | Kubernetes | CI/CD

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Chennai, Bangalore, Hyderabad, Coimbatore | Hybrid | On-Site | Remote

PROFESSIONAL SUMMARY

DevOps Engineer with 5.5+ years of IT experience, including nearly 3 years managing and monitoring a 15+ server microservices environment on AWS, with hands-on CI/CD automation, Infrastructure as Code (IaC), and Linux administration. Build and maintain CI/CD pipelines with Jenkins and GitHub Actions, provision AWS infrastructure with Terraform, and deploy Docker containers on Amazon ECS (Fargate) and Kubernetes (Amazon EKS). Maintained 99.9% uptime for production workloads, delivered zero-downtime deployments, and automated SSL/TLS certificate renewal for 1,000+ domains with zero expiry outages. Strong in monitoring and observability with Prometheus, Grafana, ELK Stack, and Amazon CloudWatch, with a focus on reliability, security, DevSecOps practices, and AWS cost optimization, working in Agile/Scrum teams.

TECHNICAL SKILLS

Cloud-AWS: EC2, VPC, S3, RDS, IAM, Lambda, Amazon ECS (Fargate), Amazon ECR, Amazon EKS, Application Load Balancer (ALB), Route 53, CloudFront, CloudWatch, CloudTrail, SNS, SES, AWS Secrets Manager, AWS Certificate Manager (ACM), AWS CodeDeploy, AWS Billing & Cost Management

Cloud-Azure: Azure Virtual Machines, VM Scale Sets (VMSS), Azure VNet, Azure Blob Storage, Application Gateway, Azure Front Door, Traffic Manager, Azure DNS, Azure WAF, Azure Monitor, Microsoft Entra ID, Azure SQL Database, Azure Communication Services

CI/CD & Version Control: Jenkins, GitHub Actions, AWS CodeDeploy, Git, GitHub

Infrastructure as Code: Terraform

Containers & Orchestration: Docker, Docker Compose, Kubernetes, Amazon EKS, Amazon ECS, Helm

Monitoring & Logging: Prometheus, Grafana, ELK Stack, EFK Stack, Amazon CloudWatch, Azure Monitor, Sentry, StatusCake

Programming & Scripting: Bash/Shell Scripting, Python

Operating Systems & Web Servers: Linux, Windows Server, Nginx, Apache, HAProxy, OpenLiteSpeed, PM2

Networking & Security: TCP/IP, DNS, SSL/TLS, Let's Encrypt, Certbot, OpenVPN, AWS Client VPN, IAM, WAF, Backup & Disaster Recovery, Aikido Security (Vulnerability Scanning)

Databases & Middleware: MongoDB, RabbitMQ, Apache Solr, JasperReports

AI Tools: OpenAI

Agile & Collaboration: Agile/Scrum, Jira

WORK EXPERIENCE

KlioTech LLP

Apr 2026 – Present
Chennai · Remote

Associate DevOps Engineer
Promoted from System Administrator

- Manage AWS cloud infrastructure for production and staging environments across EC2, VPC, IAM, RDS, S3, Lambda, and CloudWatch, maintaining 99.9% uptime across 15+ production servers running a microservices architecture.
- Build and maintain CI/CD pipelines in Jenkins and GitHub Actions to automate build and deployment, enabling zero-downtime releases and reducing manual release steps.
- Provision and manage AWS infrastructure as code (IaC) with Terraform for repeatable, version-controlled environments.
- Containerize applications with Docker, push images to Amazon ECR, and deploy them on Amazon ECS (Fargate) and Amazon EKS.
- Automated SSL/TLS certificate issuance and renewal for 1,000+ domains using Certbot and Let's Encrypt, eliminating certificate-expiry outages.
- Monitor application and server health with Prometheus, Grafana, ELK Stack, and CloudWatch; troubleshoot incidents through log analysis.

- Automate health checks, log processing, and log rotation with Bash and Python scripts.
- Configure HAProxy load balancers, Nginx and Apache reverse proxies, and SSL/TLS to route traffic across frontend and backend application servers.
- Enforce AWS IAM least-privilege access and manage secrets with AWS Secrets Manager and GitHub Actions secrets.
- Perform vulnerability scanning and dependency checks using Aikido Security.
- Work in Agile/Scrum sprints, participating in sprint planning, daily stand-ups, and retrospectives, and tracking DevOps tasks in Jira.
- Create and maintain technical documentation for infrastructure and deployment tasks, including deployment procedures, configuration standards, troubleshooting guides, and operational runbooks.

Dec 2023 – Apr 2026
Chennai · Remote

System Administrator

- Administered 15+ Ubuntu/Linux Server environments, including system maintenance, troubleshooting, updates, and service availability.
- Monitored server and application performance, investigated incidents, and coordinated resolution with development and infrastructure teams.
- Deployed and configured applications using GitHub, Jenkins, Nginx, and Apache.
- Managed AWS resources, IAM access, and application connectivity for cloud workloads.
- Performed backup and recovery, SSL certificate renewals, server health checks, and maintenance automation.
- Managed IT assets, software deployment, procurement, and end-user support.

Feb 2021 – Sep 2023
Chennai · On-site

Desktop Support Engineer

Fussion BPO Services

- Provided L1/L2 technical support for end users, troubleshooting operating system, hardware, software, network, and connectivity issues.
- Installed and configured Windows operating systems, applications, and end-user devices.
- Supported LAN/WAN connectivity, VPN access, and routine network troubleshooting.
- Managed IT asset inventory, device provisioning, upgrades, and onboarding support.
- Documented incidents, tracked support requests, and escalated complex technical issues to the appropriate teams.

KEY ACHIEVEMENTS

- **99.9% Uptime:** Maintained 99.9% availability across AWS production workloads through monitoring and automated health checks.
- **SSL Automation at Scale:** Automated SSL/TLS renewals for 1,000+ domains, bringing certificate-expiry incidents to zero.
- **Automated Deployments:** Replaced manual releases with Jenkins and GitHub Actions pipelines for consistent, repeatable deployments.

COURSES

CompTIA Network+
Udemy Completed

Terraform
Udemy Completed

Docker & Kubernetes: The Practical Guide
Udemy Completed

Azure DevOps
Udemy Completed

EDUCATION

Jun 2023 – May 2026
Elavur

B.E. Mechanical Engineering

Sri Jayaram Institute of Engineering and Technology

Jun 2015 – Apr 2018
Tharamani

Diploma in Mechanical Engineering (DME)

Central Polytechnic College (CPTC)

LANGUAGES

Tamil
Native

English
Proficient