SACHIN

Junior DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven Junior DevOps Engineer with hands-on experience managing production AWS infrastructure at Cloudastra Technologies, trained under the MyGurukulam DevOps Ninja Program. Skilled in CI/CD pipeline development, cloud infrastructure automation, and containerized application deployment using ECS Fargate, GitHub Actions, AWS CodePipeline, Terraform, and Docker. Experienced in troubleshooting live production systems, hardening server security, and administering AWS services including ALB, RDS, Secrets Manager, and Route 53. Passionate about streamlining DevOps workflows and learning modern tools and best practices.

TECHNICAL SKILLS

OS Linux (primary), Windows

Cloud AWS (ECS Fargate, ECR, EC2, S3, IAM, VPC, ALB, RDS PostgreSQL, ElastiCache Redis, Secrets Manager, Lambda, Route 53, Amplify, CloudFront)

Containers Docker, Docker Compose, Kubernetes (Learning) — microservices deployment & orchestration

IaC & Config Terraform (remote backend, state locking, import blocks) │ Ansible (automated provisioning & config)

CI/CD GitHub Actions, AWS CodePipeline & CodeBuild, Jenkins — pipeline design, build automation, deployment workflows

Monitoring AWS CloudWatch, Prometheus, Grafana, Loki — system health monitoring & alerting

Security Fail2ban, IAM policy hardening, SSH hardening, incident investigation

Version Control Git, GitHub, Bitbucket (Learning) — branching, collaboration, code versioning

Scripting Bash scripting — automation & server management tasks

PROFESSIONAL EXPERIENCE

DevOps Intern | Cloudastra Technologies *Jun 2026 – Present │ Noida, India*

Working on Brexy.ai — production AWS infrastructure

- Managed the staging infrastructure of the Waisabi platform and supported the production migration from waisabi.com to brexy.ai, including domain, DNS, and SSL/TLS certificate updates, while maintaining service availability.
- Built and maintained CI/CD pipelines using GitHub Actions, AWS CodePipeline, CodeBuild, Amazon ECR, ECS, and AWS Amplify for automated build and deployment workflows.
- Deployed and managed containerized microservices on Amazon ECS Fargate; administered Amazon RDS PostgreSQL, ElastiCache Redis, IAM, AWS Secrets Manager, CloudWatch, Route 53/DNS, and Application Load Balancers.
- Diagnosed and resolved production ECS deployment failures — including IAM permission gaps, ALB health-check misconfigurations, and container health-check issues — reducing downtime.
- Investigated a suspicious attack on the staging server by analyzing server and access logs to trace the intrusion attempt, then implemented Fail2ban to automatically block malicious IPs and harden SSH access, strengthening the server's security posture.
- Working on bringing manually created AWS resources under Terraform management using import blocks and state management, without disrupting live production infrastructure.
- Performed production database backups, deployment validations, environment configuration, and ongoing monitoring/troubleshooting across the platform.

DevOps Intern │ MyGurukulam — Powered by OpsTree *Jun 2025 – Present │ Remote*

- Contributing to the OT-Microservices project — a production-grade microservices platform — handling POC setup, cloud deployment, and JIRA-documented deliverables.
- Set up and deployed the Attendance API on cloud infrastructure, conducted reviewer demos, and documented setup procedures in JIRA for future documentation creation.
- Configured and deployed the OT-Microservices Frontend on cloud, validated functionality end-to-end, and maintained detailed rough notes for documentation handoff.
- Set up ScyllaDB locally and on cloud platform, explored HA (High Availability) configuration, and prepared POC documentation per team standards.
- Provisioned and managed scalable AWS infrastructure using Terraform, including VPC, subnets, ALB, IAM, and EC2 resources.
- Automated server configuration and application setup using Ansible playbooks across multiple environments.

- Designed and implemented CI/CD pipelines using Jenkins to automate end-to-end build and deployment workflows, reducing manual effort significantly.
- Built, tested, and deployed containerized microservices using Docker and Docker Compose with custom networking configurations.

DevOps Trainee | MyGurukulam — DevOps Ninja Program (by OpsTree Solutions) *Oct 2024 – Mar 2025 | Remote*

- Completed a rigorous 12-week DevOps Ninja Program (Vidhyarthi Phase) with 14–16 hrs/week of live instruction by OpsTree Solutions industry experts, including the CTO Sandeep Rawat.
- Linux fundamentals — commands, directory structure, user/group management, Bash scripting, SSH, process management, and package management.
- Learned Version Control with Git — branching, advanced commands, Git workflows, and GitLab basics; applied in real project scenarios.
- Trained in CI/CD using Jenkins — pipeline design, distributed builds, Jenkins agents, shared libraries, code quality/coverage, security & authorization, backup & restore.
- Hands-on with Ansible — playbooks, roles, Ansible Galaxy, Vault, YAML syntax, ad-hoc commands, inventory, and automated configuration management.
- Worked extensively on AWS — VPC, EC2, Load Balancers, Auto Scaling, IAM, S3, CloudFront, Route 53, and Terraform (resources, variables, modules, remote backend, loops, meta-arguments).
- Studied containerization and orchestration — Docker architecture, container lifecycle, networking, Dockerfile, Docker Compose; Kubernetes basics including Pods, ReplicaSets, Deployments, and Services.
- Completed Maven build tool training and participated in gamified assessments, mock interviews, and 1:1 mentoring sessions throughout the program.

KEY PROJECTS

OT-Microservices Deployment (Active — Internship Project) | *Jenkins · MySQL · ScyllaDB · Bitbucket*

- Manually set up and deployed Attendance API and Frontend on cloud infrastructure; conducted reviewer demos and validated end-to-end functionality.
- Set up ScyllaDB locally and on cloud platform; explored High Availability (HA) configuration for production readiness.
- Designed and documented VCS strategy — Bitbucket feature evaluation, Feature Branch Workflow, branch protection & access policies, and DevOps repository identification.
- Researched and documented GitOps concepts, SSL/DNS setup, and AWS Cost Explorer tag-based cost optimization strategies.
- Documented all setup steps and findings in JIRA tickets to support cross-team documentation creation and knowledge transfer.

Production-Grade AWS Infrastructure Automation | *Terraform · Ansible · Jenkins · Docker*

- Provisioned AWS VPC with 2 public and 2 private subnets, configured route tables, and implemented VPC peering for secure communication.
- Configured remote backend using S3 for Terraform state storage and DynamoDB for state locking — production-ready IaC.
- Deployed Application Load Balancer (ALB) with 2 target groups and integrated Route 53 for DNS routing.
- Built Jenkins CI/CD pipeline automating full infrastructure provisioning and multi-container (4 containers) Docker Compose deployment.

Highly Available Nginx Infrastructure with CloudFront CDN | *EC2 · ALB · Auto Scaling · S3*

- Designed scalable, highly available architecture using EC2, ALB, and Auto Scaling Groups with self-healing capabilities.
- Implemented secure S3 access via IAM policies and CloudFront (OAC), achieving significant performance improvement through CDN.
- Configured path-based routing, private subnet architecture with bastion host for secure access.
- Validated zero-downtime deployment and auto-scaling behavior through load testing.

EDUCATION

B.Tech – Computer Science & Engineering
Hindustan College of Science & Technology, Mathura | 2021 – 2025 | Mathura, UP

CERTIFICATIONS

- Amazon Web Services (AWS) — Well-Architected Proficient
- Linux Foundation — Introduction to Linux Kernel Development
- SimpliLearn — Getting Started with Ansible in DevOps