

Arun Sai Boorla

DevOps & DevSecOps Engineer | AWS | Terraform | Kubernetes | Docker | CI/CD | Jenkins | Git

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Professional Summary

- Results-driven DevOps Engineer with 4+ years of experience implementing CI/CD pipelines, infrastructure as code (Terraform), containerization (Docker), and cloud-native solutions on AWS. Strong background in high-availability architecture design, automation, and secure deployment practices. Experienced integrating security tools (SAST, DAST, SonarQube), artifact management (JFrog), and configuration management (Ansible) to enable DevSecOps practices. Proven ability to troubleshoot complex system and code issues, optimize deployment workflows, and improve system reliability. Adept at collaborating across cross-functional teams while independently delivering scalable, resilient, and production-ready solutions.

Technical Skills

- **DevOps:** Docker, Kubernetes, Terraform, Jenkins, Maven, Subversion (SVN), Git/GitHub, CI/CD pipeline automation, and AWS container services including EKS, ECS, and ECR.
- **Monitoring:** AWS CloudWatch, Grafana, Nagios
- **Scripting:** Bash and PowerShell, YAML and declarative pipeline
- **AWS Cloud Services:** EC2, IAM, ECS, EKS, Lambda, S3, EBS, ELB, Route 53, VPC, Security Groups, NACLs, CloudFormation, and Auto Scaling, AWS, Azure, GCP
- **Operating Systems:** Unix/Linux, Window.

DevOps Engineer

- **Mobileware Technologies – Andheri, India May 2024 – Present**
- Designed and implemented end-to-end CI/CD pipelines for frontend and backend applications, enabling automated build, testing, security scanning, and deployments across Dev and CUG environments.
- Integrated DevSecOps practices into CI/CD workflows using SonarQube, OWASP Dependency-Check, and Snyk to perform SAST, dependency vulnerability scanning, and compliance validation with SBOM and CBOM reporting.
- Administered and governed Bitbucket repositories, enforcing branch protection rules, RBAC policies, structured code reviews, and secure repository management standards.
- Automated Robot Framework environment provisioning, significantly reducing QA onboarding time and improving test automation efficiency.
- Led containerization initiatives using Docker, building optimized multi-version images across R&D environments to ensure consistency, portability, and scalability.
- Configured and secured UAT servers with firewall rules, network hardening, and release validation controls to ensure stable and secure deployments.

- Designed and managed AWS S3 buckets with fine-grained IAM policies to support artifact storage, deployment verification, and secure backup strategies.
- Eliminated manual deployment steps by implementing webhook-triggered automated CI/CD pipelines, improving release reliability and operational efficiency.
- Managed Git and SVN repositories, implementing structured branching strategies, and secure release management processes.

Build & Release Engineer

E2E Rosh IT Solutions – Bengaluru, India

Jan 2023 – Apr 2024

- Configured and deployed web application servers, automating static application deployments to reduce manual errors and improve release consistency.
- Implemented CI/CD pipelines using AWS CodePipeline and CodeBuild, building multi-stage Docker images and publishing secure artifacts to Amazon ECR.
- Managed source control using Git and GitHub Actions, enforcing RBAC, branch protection policies, and secure collaboration workflows.
- Delivered client-specific static website deployments to Amazon S3 with lifecycle policies, time-bound access controls, and secure object management.
- Designed and provisioned AWS infrastructure solutions including compute, storage, networking, and security configurations aligned with business requirements.

DevOps Engineer

Flaplive Innovation Pvt Ltd – Hyderabad, Telangana, India

Jan 2022 – Dec 2022

- Contributed to the development and performance optimization of the FlapLive platform, focusing on user behavior analytics and growth-driven engineering initiatives.
- Implemented and configured Google Analytics 4 (GA4) tracking across the web application to monitor user sessions, engagement metrics, traffic sources, and conversion funnels.
- Analyzed user interaction data to identify high-performing features, optimize UI/UX workflows, and enhance customer retention strategies.
- Designed and optimized targeted Facebook Ads campaigns using data-driven audience segmentation and geo-targeting to improve marketing ROI.
- Collaborated with cross-functional marketing and engineering teams to align analytics tracking mechanisms with defined business KPIs and growth objectives.
- Supported web application deployments and infrastructure management on AWS EC2 instances with Nginx configuration and performance tuning.
- **Environment:** AWS EC2, Nginx, Google Analytics (GA4), Facebook Ads Manager, Web Application Deployment

System Engineer

Tirumala Oil Chem India Pvt Ltd – Hyderabad, India

Jan 2021 – Dec 2021

- Designed and enforced granular AWS S3 bucket policies and IAM role-based access control (RBAC) frameworks for Lohiya Group (Gold Drop Oil).
- Implemented least-privilege access models to ensure secure, compliant data sharing across business units while eliminating unauthorized access risks.
- Strengthened cloud security posture through structured IAM governance and controlled access provisioning aligned with organizational policies.

Projects

CI/CD Pipeline – Dev/Test/CUG

Tech: Jenkins, SonarQube, JFrog, Docker, Ansible, Tomcat, Apache2, Bitbucket

- Designed and implemented end-to-end CI/CD pipelines.
- Reduced manual deployment effort by **50% through automation. Integrated** Bitbucket with Jenkins using **webhooks**
- Automated deployments across Dev and CUG environments.

Infrastructure as Code (IaC) – AWS Automation

Tech: AWS, Terraform, IAM, EC2, S3

- Automated Dev, Test, and CUG environment provisioning using Terraform.
- Developed reusable Terraform modules for standardized infrastructure.
- Implemented IAM-based secure access controls.
- Reduced infrastructure setup time through full automation.

SVN to Bitbucket Migration & Pipeline Automation

Tech: SVN, Bitbucket, Bitbucket Pipelines, AWS S3

- Led complete migration from SVN to Bitbucket with full history preservation.
- Implemented environment-based branching strategy.
- Configured Bitbucket Pipelines with runners for CI/CD automation.
- Eliminated manual build triggers using webhooks.
- Designed automated AWS S3 backup strategy.

Microservices Deployment on Kubernetes

Tech: Kubernetes, Docker (Multi-Stage), Java 8/17, Node 14

- Architected and deployed containerized microservices on Kubernetes.
- Built optimized multi-stage Docker images for multiple runtime versions.
- Integrated private Docker registry.
- Improved application scalability and deployment efficiency.

Robot Framework Test Automation – Portal Application

Tech: Robot Framework, Selenium Manager, Apache

- Implemented automated test framework for portal application using **Robot Framework and Selenium Manager**.
- Replaced manual QA testing with automated regression test suites.
- Increased test coverage and reduced manual testing effort.
- Generated automated test reports and published results to static web server (Apache).
- Improved testing efficiency and release validation process.

KEY ACHIEVEMENTS

- CI/CD Pipeline Automation
- Infrastructure as Code (Terraform) Implementation
- DevSecOps Integration (SAST, SBOM, CBOM)
- SVN to Bitbucket Migration
- Kubernetes Microservices Deployment
- Docker Containerization & Multi-Stage Builds
- AWS Infrastructure Automation
- IAM & Cloud Security Hardening
- Robot Framework Test Automation
- Deployment Time & Cost Optimization
- Webhook-Based CI/CD Automation
- Multi-Environment Provisioning (Dev/Test/CUG)