

Abhishek Sonwal

Senior DevOps Engineer

+91-8947857410 | abhisonwal05@gmail.com | Abu Road, Rajasthan, India

LinkedIn | GitHub | Portfolio

Professional Summary

Senior DevOps Engineer with 5+ years of experience designing, automating, and managing scalable cloud infrastructure and CI/CD platforms on AWS. Strong expertise in Terraform, Docker, Kubernetes, Jenkins, GitHub Actions, Infrastructure as Code, monitoring, and DevSecOps, with a proven track record of building secure, highly available production systems.

Delivered measurable improvements including 40% faster deployments, 99.95% production uptime, and 25% fewer security vulnerabilities through automation, infrastructure optimization, and DevSecOps best practices. Passionate about building reliable cloud platforms and currently expanding expertise into MLOps and production-ready AI infrastructure.

Technical Skills

Cloud Platforms	AWS, Azure, Google Cloud Platform
CI/CD	Jenkins, GitHub Actions, GitLab CI/CD, AWS CodePipeline
Infrastructure as Code	Terraform, Infrastructure Automation
Containers	Docker, Docker Compose, Kubernetes, Helm, KIND, EKS, Ingress-NGINX
Monitoring	Prometheus, Grafana, ELK Stack, CloudWatch
Security	SAST, DAST, Trivy, SonarQube, OWASP, IAM, Security Groups, AWS KMS
Programming	Python, Bash, Shell Scripting, YAML, JSON
Version Control	Git, GitHub, GitLab, Bitbucket, ArgoCD
Platforms	ERPNext, WordPress, Joomla, Shopify
Databases	MongoDB, MySQL, Redis
Tools	Nginx, REST APIs, Postman, Artifactory

Professional Experience

Freelancer & DevOps Consultant

Aug 2024 – Present

Remote

Remote

- Led Kubernetes (Amazon EKS) migration of microservices, enabling independent service deployments, improving scalability, and reducing cross-team release dependencies.
- Delivered end-to-end AWS infrastructure for 6+ client environments using Terraform, reducing infrastructure provisioning time from days to under 2 hours.
- Designed highly available AWS architectures using ALB, Auto Scaling Groups, Route 53, CloudFront, and RDS Multi-AZ to improve application resilience.
- Designed and implemented multi-stage CI/CD pipelines using GitHub Actions and Jenkins, reducing release cycles by 40% while eliminating manual deployment errors.
- Integrated DevSecOps controls including Trivy, SonarQube, and secret scanning into CI/CD pipelines, maintaining zero critical vulnerabilities in production deployments.
- Implemented centralized observability using Prometheus, Grafana, and ELK Stack, reducing incident detection and resolution time by 60%.

Sr. DevOps Engineer

Feb 2023 – Jul 2024

Universal Software

Ahmedabad, India

- Architected and managed highly available AWS infrastructure for diverse production workloads, including ERP systems, web applications, and backend services, consistently achieving a 99.9% uptime SLA.
- Standardized application environments across development, QA, and production using Docker, improving deployment consistency and reducing configuration drift.
- Translated client infrastructure requirements into automated DevOps workflows, reducing provisioning effort by 50%.
- Implemented Prometheus and Grafana monitoring with proactive alerting, reducing Mean Time to Detect by 35%.
- Collaborated with development teams to optimize CI/CD pipelines, reducing integration failures by 25% through branch protection strategies and automated quality gates.
- Deployed, configured, and maintained ERPNext applications on the Frappe framework, delivering client-specific customizations and reliable production support.

DevOps & Technical Support Engineer
Universal Software

Feb 2020 – Jan 2023
Ahmedabad, India

- Managed highly available AWS infrastructure across EC2, RDS, VPC, Route 53, Auto Scaling, and S3, maintaining 99.9%+ production availability.
- Designed and implemented Jenkins CI/CD pipelines from scratch, reducing release cycles from weeks to same-day deployments.
- Containerized legacy applications using Docker, reducing environment setup time by 70% and eliminating environment-specific deployment issues.
- Integrated SonarQube and Trivy security gates into CI pipelines, identifying and resolving more than 100 vulnerabilities before production releases.
- Developed Bash and Python automation scripts, saving more than 8 hours of manual operational effort each week.

AWS & Linux Administrator
High Sky IT Solution Pvt. Ltd.

Oct 2019 – Jan 2020
Ahmedabad, India

- Managed AWS and Linux systems (Ubuntu, CentOS, RHEL) to keep business-critical services highly available.
- Automated provisioning and deployments with Jenkins CI/CD, reducing manual effort by 60%.
- Built Bash/Python automation for monitoring and ops tasks, saving about 5 hours per week.

Lecturer – Computer Science
Adarsh College of Professional Studies

Jun 2018 – Jul 2019
Abu Road, Rajasthan

- Delivered undergraduate courses in Programming, Databases, Data Structures, and System Design.
- Taught programming and systems to 60+ undergrad students through theory + hands-on labs.
- Mentored students in C, C++, Web Development, and Database Management Systems, improving student performance.
- Developed communication and mentorship skills now used to document infrastructure and onboard engineers.

Salesforce Intern
iBirds Software Services Pvt. Ltd.

Apr 2017 – Oct 2017
Ajmer, Rajasthan

- Developed CRM workflow rules, triggers, validation rules, Apex controllers, and custom visualforce templates.
- Structured Scheduled Apex batch automation pipelines, expediting data cleanup tasks on the Salesforce backend.
- Worked with Salesforce CRM modules including Accounts, Leads, Opportunities, and Cases.
- Built sandbox configurations validating operational Leads and Accounts tracking cycles for client previews.

Education

Master of Computer Applications (MCA) 2017
Lachoo Memorial College of Science & Technology, Jodhpur

Bachelor of Computer Applications (BCA) 2014
Sam Higginbottom University of Agriculture, Technology & Sciences (SHUATS), Allahabad

Higher Secondary 2011
Board of Secondary Education, Rajasthan

Secondary School 2009
Board of Secondary Education, Rajasthan

Certifications

- AWS Certified Solutions Architect – Associate (Udemy)
- Certified Kubernetes Administrator (CKA) Preparation Course (Udemy)
- Certified Kubernetes Application Developer (CKAD) Preparation Course (Udemy)
- Terraform for the Absolute Beginners (Udemy)
- Docker for the Absolute Beginner (Udemy)