

JAWAD ABBASI

Senior DevOps Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer with 6+ years of experience designing and managing scalable AWS cloud infrastructure for enterprise IoT and renewable-energy platforms. Skilled in Infrastructure as Code (Terraform), CI/CD automation (Jenkins, Bitbucket Pipelines), containerization (Docker), and cloud security. Proven track record supporting high-availability production environments, streamlining deployment workflows, and collaborating cross-functionally in Agile teams.

CORE TECHNICAL SKILLS

Cloud & Infrastructure: AWS (EC2, Lambda, ECS/ECR, Elastic Beanstalk, IoT Core, Aurora PostgreSQL, VPC, Route53, API Gateway, CloudFront), Terraform (IaC)

CI/CD & Automation: Jenkins, Bitbucket Pipelines, Git/GitFlow, Docker, Bash, Python scripting

Security & Monitoring: IAM, WAF, GuardDuty, Detective, Secrets Manager, KMS, ACM, Cognito, CloudWatch, CloudTrail, SonarQube, Snyk

Application & Collaboration: React.js, Node.js, Jira, Confluence, Slack, Intercom

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer | Zigrion Technologies Pvt Ltd — Islamabad, Pakistan

Jan 2019 – Present

Client: TerraSmart (USA) — renewable energy technology company delivering solar racking, electrical balance-of-system products, and IoT-enabled project optimization software.

- Designed, deployed, and managed scalable AWS infrastructure across Development, QA, Staging, and Production environments.
- Automated infrastructure provisioning with Terraform (IaC), improving deployment consistency and cutting manual configuration effort.
- Built and maintained CI/CD pipelines using Jenkins and Bitbucket Pipelines, including self-hosted Bitbucket Runners on EC2 and OIDC-based credential-free AWS authentication.
- Developed Bash and Python automation for deployments, Lambda functions, Docker image builds, and infrastructure operations.
- Deployed and maintained React.js/Node.js applications via AWS Elastic Beanstalk; managed containerized workflows using Docker and Amazon ECR.
- Built AWS Lambda serverless pipelines processing IoT telemetry from network controllers into Amazon Aurora PostgreSQL, integrated with AWS IoT Core.
- Configured core networking (VPC, Route53, API Gateway, CloudFront, Global Accelerator) and enforced least-privilege security using IAM, WAF, GuardDuty, Secrets Manager, and KMS.
- Integrated SonarQube, SonarLint, and Snyk into CI/CD workflows to strengthen code quality and vulnerability management.
- Built CloudWatch dashboards and alarms, with centralized Slack alerting across CloudWatch, AWS Health, Bitbucket, Jira, and LogRocket.
- Led incident response, troubleshooting, and root cause analysis (RCA) to maintain high-availability production systems.
- Managed Jira sprint planning/release workflows and maintained Confluence documentation for architecture, deployments, and runbooks.

DevOps Intern | Zigrion Technologies Pvt Ltd — Islamabad, Pakistan

Oct 2018 – Jan 2019

- Supported AWS infrastructure management, Linux administration, and Docker-based deployment processes under senior engineer guidance.
- Assisted with CI/CD pipeline implementation, infrastructure monitoring, and production support activities.

Network Administrator Intern | Pakistan Television (PTV Headquarters) — Islamabad, Pakistan

Jul 2017 – Oct 2017

- Assisted with LAN infrastructure management, network device configuration, and connectivity troubleshooting.
- Supported system administration and hardware/software troubleshooting for IT infrastructure.

EDUCATION

Bachelor of Science, Computer Science — Capital University of Science & Technology, 2014 – 2018

Intermediate, Computer Science — Punjab Group of Colleges, 2012 – 2014