DevOps D

Senior DevOps Engineer, 6+ years experience
Ahmedabad, India
https://augmntx.com/profile/senior-devops-engineer-devops-d/axo25962

AugmntX
+91 9820045154 | hr@augmntx.com

Experienced cloud and infrastructure engineer with over 6 years of expertise in designing, automating, and managing scalable systems on AWS. Skilled in containerization, CI/CD pipelines, infrastructure as code, and security-first deployments across industries like aviation, cybersecurity, and retail. Proficient in tools like Docker, Kubernetes, Terraform, and GitLab CI, with a strong focus on improving system reliability, reducing manual processes, and accelerating software delivery through automation and best practices.

INDUSTRIES: FinTech Blockchain, Restaurant, Aviation

TECHNICAL SKILLS

• Grafana	6 years & 2 months
• Gitlab	6 years & 8 months
• Docker	6 years & 1 months
• Terraform	6 years & 1 months
• Jenkins	5 years & 4 months
• Azure	5 years & 9 months
• CI CD Automation	5 years & 2 months
• Kubernetes	5 years
• Elasticsearch	5 years & 5 months
• AWS	5 years & 2 months
• GCP	4 years & 11 months

PROJECT DETAILS

• Cybersecurity Provider Client — August-2023 - September-2024

Project Description: This is the Cybersecurity Provider IT Company Project for Fintech Client Portal and Management with a Backend Panel

Responsibilities: Deployed and managed a secure web infrastructure on AWS, ensuring high availability and adherence to cybersecurity best practices. Configured Web Application Firewall (WAF), SSL/TLS certificates, and HTTPS enforcement to protect the website from common web-based attacks (e.g., OWASP Top 10). Built and maintained CI/CD pipelines using GitHub Actions, automating the deployment of code updates while enforcing gated approvals for production. Integrated security scanning tools (SAST/DAST) into the CI pipeline to detect and prevent vulnerabilities during the development lifecycle. Used AWS Secrets Manager and IAM roles to securely manage API keys, tokens, and database credentials, following the principle of least privilege. Set up monitoring and alerting with CloudWatch and AWS Config, ensuring compliance, visibility, and traceability of changes to cloud resources. Collaborated with the internal cybersecurity team to implement logging, intrusion detection mechanisms, and automated response playbooks for potential incidents.

Technologies: Azure App Service, Load Balancer, Deployment Slot, PHP, Front Door CDN, Azure DevOps

Industry: FinTech Blockchain

• Restaurant Billing Management February-2021 - March-2022

Project Description: The Restaurant Billing Management System was developed to streamline billing, order processing, and sales reporting for dine-in and takeout operations. This cloud-hosted solution allowed restaurant staff to manage menus, generate digital invoices, and track daily transactions in real time. The backend services were containerized using Docker and deployed on AWS EC2 instances, with CI/CD pipelines built in GitLab CI to support frequent updates and feature releases. The system ensured secure access control via AWS IAM, and real-time performance monitoring was implemented using CloudWatch and Prometheus. Designed for high reliability and fast response times, the system supported multi-device access, seamless POS integration, and comprehensive reporting dashboards for management.

Responsibilities: Designed and implemented a scalable deployment architecture on AWS EC2 for the restaurant billing application, ensuring high availability and fault tolerance. Containerized backend and frontend services using Docker, enabling consistent environments across development, staging, and production. Built and maintained CI/CD pipelines using GitLab CI to automate code integration, testing, and deployment processes, reducing manual effort and release time. Configured CloudWatch for infrastructure and application monitoring, set up alarms for system health metrics, and ensured proactive incident response. Managed IAM roles and permissions to securely restrict access to sensitive billing and transaction data. Collaborated with development teams to automate environment provisioning, database backups, and application rollbacks. Implemented basic infrastructure as code using Terraform for repeatable and version-controlled provisioning of cloud resources.

Technologies: AWS CICD, EKS, Cloud Formation, Dot net Core, EC2, VPC, Load Balancer, Route 53,Terraform

Industry: Restaurant

• Aviation Project May-2022 - June-2023

Project Description: This Product is developed for airport-to-airport overflight charges calculation and Airport Operations and Billing for FAR Calculation

Responsibilities: Provisioned and managed cloud infrastructure for an aviation application using Terraform, ensuring compliance with industry-grade scalability and reliability standards. Deployed core services on Amazon EKS, managing containerized workloads for flight tracking, maintenance scheduling, and crew coordination systems. Developed and optimized CI/CD pipelines with GitLab CI, automating the build, test, and deployment cycles for multiple microservices. Implemented centralized logging and monitoring using the ELK Stack and CloudWatch, enabling real-time visibility into system performance and incident resolution. Enforced security practices by configuring IAM policies, security groups, and encryption at rest and in transit to safeguard sensitive aviation data. Worked with cross-functional teams to support staging and production releases under strict change control and rollback policies. Led regular infrastructure health checks and performance tuning to meet uptime SLAs for mission-critical aviation systems.

Technologies: Node js, Docker, Angular, Python, Nginx, PostgreSQL, Linux Server, LoadBalancer, GraphQL , SQLite, Java Scripting

Industry: Aviation

• E- ticket System November-2024 - April-2025

Project Description: The E-Ticket System was developed as a scalable, cloud-native platform to facilitate seamless online ticket booking for events, travel, and entertainment services. Designed with high concurrency in mind, the system leveraged a serverless architecture using AWS Lambda and API Gateway to ensure low-latency performance during high traffic periods. The backend was integrated with DynamoDB for fast and flexible data storage, while the frontend was hosted on Amazon S3 and delivered via CloudFront. Emphasis was placed on cost optimization, availability, and security, with real-time monitoring and logging enabled through AWS CloudWatch. The project successfully delivered a robust, event-driven ticketing system capable of handling thousands of transactions concurrently with minimal infrastructure overhead.

Responsibilities: Architected and implemented a serverless infrastructure using AWS Lambda, API Gateway, and DynamoDB to ensure cost-effective scalability and performance during peak ticket booking hours. Automated the deployment process with Jenkins, creating CI/CD pipelines for both frontend and backend services, reducing deployment time and minimizing errors. Used Amazon S3 to host static frontend assets, integrated with CloudFront for fast global content delivery and improved user experience. Configured AWS CloudWatch Logs and Metrics to monitor application performance, detect anomalies, and ensure quick incident response. Enforced security best practices by managing API access through API Gateway throttling, IAM roles, and AWS Secrets Manager for credential management. Enabled detailed logging and tracing using X-Ray, helping debug issues in a distributed, event-driven environment. Collaborated with the QA and product teams to implement automated test environments and streamline the release management process.

Technologies: AWS, Jenkins CICD, ECS Cluster with Farget, Load balancer, RDS, PHP 8.2, Laravel, Cloud Fromation

Industry: Aviation

EMPLOYMENT HISTORY

• Senior DevOps Engineer

Description: The Senior DevOps Engineer is responsible for designing, implementing, and managing scalable cloud infrastructure using AWS services, with a strong focus on Infrastructure as Code through tools like Terraform and CloudFormation. They build and maintain robust CI/CD pipelines using Jenkins, GitHub Actions, and GitLab CI/CD, ensuring seamless integration and delivery workflows. Proficient in containerization and orchestration, they deploy and manage Dockerized applications using Kubernetes (EKS) and Helm. Their role also involves automating operational tasks with Bash and Python, enforcing security best practices through DevSecOps, and managing IAM, Secrets Manager, and compliance protocols. They set up monitoring and logging systems using Prometheus, Grafana, ELK Stack, and CloudWatch to ensure system health and incident response. Additionally, they collaborate closely with development teams in Agile environments, using tools like Jira and Confluence to align infrastructure needs with product goals while driving continuous improvement and operational efficiency.

EDUCATION

• Masters degree in IT from GTU 2016 - 2017

LANGUAGES

• English - advanced

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