

ATRIJA SARKAR

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| Portfolio:atrija968.github.io

DEVOPS ENGINEER | CLOUD & AUTOMATION SPECIALIST

SUMMARY

Results-oriented Software Engineer with 5 years of backend development experience, now transitioning into DevOps. Proficient in container orchestration, Terraform, Ansible, CI/CD, and AWS Cloud. Adept at building scalable, automated, and resilient cloud-native systems. Delivered measurable improvements: 200+ hours saved monthly via automation, 25–40% performance gains, and 60% reduction in deployment failures.

TECHNICAL SKILLS

Cloud & Devops

AWS (EC2, S3, VPC, IAM, ELB, ECR, CloudFront, CloudWatch)

Docker, Kubernetes

Terraform, Ansible

CI/CD

GitHub Actions

Git, GitHub

Jenkins

Programming

Python (Automation, Web Scraping)

Bash

PHP, JavaScript

Databases

MySQL

MongoDB

RDS

Frameworks & APIs

Laravel, REST APIs, GraphQL, RabbitMQ, Microservices

Monitoring & Logging

Prometheus, Grafana

OS & Systems

Linux (Ubuntu, CentOS), Shell Environments, Server Management

Networking & Security

VPC, Subnets, Load Balancing, DNS, Security Groups

PROFESSIONAL EXPERIENCE

Software Engineer II — Airpay Payment Services

Remote | July 2024 – Present

- Developed integrations for seller platforms (Bagisto, OpenCart, Shopify) with ONDC, reducing integration time by 30%.
- Implemented RESTful and GraphQL APIs, improving data exchange performance by 25%.
- Automated merchant onboarding, processing 500+ monthly registrations with 99% accuracy.
- Optimized backend data handling, reducing data processing time by 40%.

Laravel Developer — Notiontechnologies

Navi Mumbai, MH | Aug 2022 – July 2024

- Built and maintained CMS systems with user hierarchies and custom modules.
- Improved page load speed by 35% through backend optimizations.
- Developed deployment automation scripts, cutting release time by 50%.
- Managed concurrent user systems supporting 500+ users efficiently.

Software Engineer — Capgemini

Gurugram, HR | Aug 2021 – June 2022

- Worked on telecom automation projects for 20+ microservices.
- Contributed to legacy system migration to AWS, cutting costs by 25%.
- Configured infrastructure automation for testing environments, improving testing efficiency by 40%.
- Reduced failed deployments by 60% via optimized deployment scripts.

Field Service Executive — Avaso Technology

Mohali, PB | Jan 2020 – May 2021

- Optimized technical service delivery processes, enhancing operational efficiency by 30% and maintaining a 95% client satisfaction rate.

DEVOPS PROJECTS

Dockerized Laravel Microservices Application

- Containerized Laravel API project using Docker and Nginx, reducing deployment time by 60%.
- Implemented custom networking and volume persistence for high availability.
- Achieved 99.5% uptime and improved scalability.

AWS Infrastructure Automation with Terraform & Ansible

- Provisioned EC2 infrastructure using Terraform with automated VPC configuration.
- Configured instances with Ansible reducing setup time by 70%.
- Deployed auto-scaling policies supporting 10K+ concurrent users.

CI/CD Pipeline with GitHub Actions & Docker

- Built a fully automated CI/CD pipeline with GitHub Actions, cutting deployment time and manual effort to nearly zero.
- Containerized all services with Docker, standardizing builds and eliminating environment inconsistencies across dev, staging, and prod.
- Integrated a Python web-scraper with complete backend + frontend delivery flow, enabling automated data ingestion and rapid feature rollouts.

Kubernetes Microservices Deployment

- Deployed production-grade microservices on Kubernetes using native manifests, achieving seamless rolling updates and zero downtime.
- Implemented persistent volumes, HPA, and service discovery to boost reliability, fault tolerance, and scalability.
- Tuned cluster resource strategy, improving utilization efficiency and overall deployment stability by 40%.

EDUCATION & CERTIFICATIONS

B.Tech in Information Technology — Chandigarh Group of Colleges (CGC), Mohali, Punjab | 2016–2020

PW Skills DevOps & Cloud Computing — In Progress (Expected Completion: December 2025)

- Hands-on with Docker, Kubernetes, AWS, Terraform, and CI/CD pipelines.