Ankit Rajesh Gupta

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Summary

Driven professional with 6+ years of experience and a strong foundation in cloud and DevOps technologies, eager to leverage skills in AWS, Docker, and Kubernetes to drive efficiency and innovation. Experienced in optimizing CI/CD pipelines and enhancing system security. Seeking a Cloud & DevOps Engineer role to apply technical expertise and a collaborative approach in delivering scalable, secure, and cost-effective solutions.

Skills

- **Cloud Platform & Infrastructure:** Amazon Web services, Google Cloud Platform, Orange Flexible Engine, AWS lambda, AWS EKS, AWS ECS, Google Kubernetes Cloud, AWS IAM, AWS S3, DynamoDB, Step Functions, API Gateway, S3, Athena, ECS, ECR, Fargate, CloudWatch, Glue, WAF, CloudFront, and Cognito
- **Networking:** AWS VPC, Subnets, Route Tables, Internet Gateway, NAT Gateway, Direct Connect, Site-to-Site VPN, Transit Gateway, VPC Peering, AWS Firewall Manager, Security Groups, NACLs.
- **Container & Orchestration:** Docker, Kubernetes, Helm
- **CI/CD & DevSecOps Tooling:** Jenkins, GitLab CI, Argo CD, SonarQube, Trivy, Circle CI, AWS Code Pipeline, GitHub Actions, OWASP Dependency-Check
- **Infrastructure as code & Automation:** Terraform, Gitlab, Jenkins, Bamboo, Bash Shell scripting, Python, CDK (typescript)
- **Event Streaming & Messaging**: Kafka (Apache/MSK), SNS, SQS, Event Bridge
- **Monitoring & Observability:** Prometheus, Grafana, Nagios, New relic
- **Documentation :** Jira, Confluence, ServiceNow

EXPERIENCE

Cloud / DevOps Engineer | Valiantys | Toronto ON   **06/2020 - 07/2025**

- Designed and maintained CI/CD pipelines using GitLab Runner, Jenkins, Bamboo, AWS Code Pipeline, enabling zero-downtime deployments and reducing release cycle time from 2 weeks to 2 days.

- Containerized 15+ legacy and microservice applications using ECS, and deployed them on EKS, improving scalability, portability, and deployment time by 60%.

- Enabled blue-green and canary deployments for microservices running on EKS using Helm and Argo CD.

- Automated infrastructure provisioning with CDK (Typescript), Terraform and Ansible, enabling 100% repeatable deployments across dev, test, and prod, reducing human error by 85%.

- Implemented application-level dashboards and proactive alerting using New Relic, Prometheus, and custom metrics across microservices, enabling early issue detection and faster incident resolution.

- Integrated static code analysis (SonarQube), vulnerability scanning (OWASP), and secrets scanning into pipelines to enforce secure delivery practices.

- Led 25+ cloud migration and modernization projects, aligning with the AWS Well-Architected Framework and implementing 20–30% workload cost savings through rightsizing, high availability, and DR strategies.

- Conducted monthly cost optimization reviews across EC2, S3, EBS, and RDS, identifying 25–30% savings via reserved instances, right-sizing, and removing underutilized resources.

- Integrated Kafka (Confluent Cloud) and IBM MQ into observability pipelines using Open Telemetry and Grafana Tempo for end-to-end distributed tracing across AKS-based workloads.

- Integrated monitoring systems with PagerDuty and ServiceNow to automate incident routing and ticket creation, improving response time and audit traceability.

- Created Lambda functions using python script to cleanup AWS resources for cost-optimization, Backups and tagging of AWS resources & PowerShell, Bash Scripting for User creation, Log rotation, service restarts, Health checks, Scheduled task management.

- Managed 200+ IAM roles and policies, enforcing least privilege access and enhancing compliance with internal and external security audits.

- Collaborated with 10+ enterprise clients, leading architecture workshops, technical demos, and solutioning sessions to align AWS strategies with business goals — resulting in 95%+ client satisfaction and directly contributing to a $300K contract renewal through strong client communication and delivery excellence.

IT Technical Support | Concordia University | Montreal QC   **07/2019 - 09/2019**

- Delivered front-line technical support for university-wide systems, resolving hardware, software, and network-related issues for faculty, staff, and students

- Handled incoming support requests via email, chat, and ticketing systems (ServiceNow)

- Administered user accounts and group policies using Active Directory

- Installed and configured software applications on Windows and Linux systems

- Assisted with network setup, including IP configuration, DNS resolution, and troubleshooting connectivity issues

- Applied basic security protocols to safeguard user data

- Documented troubleshooting procedures, resolutions, and recurring issues

- Collaborated closely with the infrastructure and sysadmin teams to escalate critical issues

Jr. DevOps Engineer | IT DUDE TECH SOLUTION | Mumbai India   **05/2016 - 06/2017**

- I swiftly implemented and monitored DevOps architecture, enhancing system performance by 30% using automated scripts.

- I developed CI/CD pipelines to streamline code deployment processes, reducing downtime by 40%.

- I optimized and maintained server environments, ensuring 99% uptime reliability and improving user accessibility.

Projects

Travel Blog Website–   https://github.com/Rajeshgupta123456789/travelblog-project
Delivered a fully automated, secure, and observable three-tier MERN application on AWS EKS, showcasing complete CI/CD & GitOps lifecycle. The project helped improve deployment consistency, integrate security scanning into pipelines, and demonstrate enterprise-ready infrastructure design using Argo CD, Prometheus, and Grafana.

YouTube-Style Video Streaming Platform – https://github.com/Rajeshgupta123456789/Videotube
Delivered a scalable, cloud-native video platform with CI/CD, auto-transcoding, CDN delivery, and full observability, simulating a YouTube-like experience on AWS EKS..

Vulnerability Scanner Tool – https://github.com/Rajeshgupta123456789/vulnerabilityscanner
Developed a Python-based tool to detect secrets, AWS misconfigs, IAC flaws (Terraform), and Docker security issues. Integrated CVE feed, AWS SDK, and regex scanners for automated audits.

AWS Cleanup Script - https://github.com/Rajeshgupta123456789/AWS-cleanup-scripts
Automated cleanup of 15+ unused AWS resource types using Python 3.11, reducing cloud costs and improving account hygiene across EC2, S3, IAM, RDS, and more.

EDUCATION

Georgian College | Barrie, ON

Post Graduate Certificate in Big Data Analytics	**09/2018 – 04/2019**
Post Graduate Certificate in Information System Security	**09/2017 – 08/2018**

University of Mumbai | Mumbai, India

Bachelor of Science in Information Technology	**06/2013 – 05/2016**

Certificates

Amazon Web Services: Solution Architect Professional	**11/2024–11/2027**
Amazon Web Services: Cloud Practitioner	**11/2024–11/2027**