

# KETAN CHAUDHARY

DevOps Engineer | Platform Engineer | AWS Cloud Infrastructure

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github.com/Ketan-Chaudhary

## Summary

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DevOps and Platform Engineer with hands-on experience in building and managing cloud infrastructure on AWS. Skilled in Infrastructure as Code using Terraform, CI/CD automation, containerized applications, and serverless architectures. Experienced in improving deployment processes, monitoring systems, and maintaining reliable cloud environments. Focused on reducing downtime, improving operational efficiency, and supporting scalable and secure infrastructure for modern applications.

## Technical Skills

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<b>Version Control Tools</b>	GitHub, Bitbucket, AWS CodeCommit
<b>Operating Systems</b>	Ubuntu, Windows, Amazon Linux
<b>Scripting</b>	Shell Scripting (Bash)
<b>Continuous Integration Tools</b>	Jenkins, GitHub Actions, AWS CodePipeline
<b>Container and Orchestration Tool</b>	Docker, Docker Swarm
<b>Monitoring &amp; Observability</b>	Prometheus, Grafana, AWS CloudWatch
<b>Languages</b>	Go, Python, Node.js, Java
<b>Infrastructure Management</b>	Terraform
<b>Message Broker</b>	AWS SQS
<b>Cloud Environment</b>	Amazon Web Services (AWS)
<b>AWS Services</b>	EC2, S3, ALB, SNS, SES, Route53, IAM, ECS, ECR, Code-Pipeline, CodeDeploy, CodeBuild, CodeCommit, Systems Manager, Secrets Manager, Lambda, Service Quotas, RDS, VPC, VPC Endpoints

## Experience

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DevOps Engineer (Remote)

Jan 2026 – Present

Huntersville, NC, USA

- Managed AWS Infrastructure Using Terraform and Terragrunt: Designed and maintained Infrastructure as Code using reusable Terraform modules and Terragrunt environment configurations to standardize provisioning of AWS resources including EC2, S3, IAM, VPC.
- Implemented Secure Private Networking Architectures: Configured VPC Endpoints, Endpoint Services, and AWS PrivateLink to enable secure communication between internal services without exposing traffic to the public internet.
- Leveraged Serverless Integration Services: Built event-driven automation workflows using AWS Lambda and Amazon SQS to support asynchronous processing and backend task execution.
- Standardized Cloud Storage and Encryption Policies: Managed S3 storage configurations with lifecycle policies and encryption using AWS KMS to ensure secure and compliant data management.
- Enabled Cross-Service Analytics Workflows: Integrated Amazon OpenSearch with Amazon QuickSight to enable data visualization and insights for internal analytics dashboards.

- Implemented Monitoring and Operational Visibility: Configured CloudWatch dashboards, logs, and alerting systems to proactively detect system issues and maintain infrastructure reliability.
- Optimized Cloud Resource Utilization: Analyzed infrastructure usage using AWS Cost Explorer and implemented cost optimization practices across development and production environments.
- Managed DevOps Operations Through Jira: Handled infrastructure change requests, incident resolution, and operational tasks using Jira while collaborating with development and platform teams.

## **Underpin Services**

*DevOps Engineer Trainee*

*Jul 2025 – Sep 2025*

*New Delhi, India*

- Architected and Managed End-to-End AWS Infrastructure: Served as the primary DevOps engineer responsible for designing, provisioning, and managing scalable cloud infrastructure across development and production environments.
- Orchestrated Containerized Application Infrastructure: Designed and deployed containerized workloads on AWS ECS Fargate integrated with Application Load Balancers, secure VPC networking, and auto-scaling strategies.
- Implemented Continuous Integration and Deployment Pipelines: Developed automated CI/CD workflows using GitHub Actions and Jenkins to build, test, and deploy applications across multiple environments with streamlined release processes.
- Enabled Zero-Downtime Deployment Strategies: Implemented Blue-Green deployment workflows with automated health checks, rollback mechanisms, and deployment validation processes to ensure seamless production releases.
- Strengthened Cloud Security and Operational Reliability: Implemented IAM access controls, AWS Secrets Manager integrations, SSL/TLS configurations, CloudWatch monitoring dashboards, and automated alerting systems to improve infrastructure security and operational visibility.
- Optimized Build Infrastructure for High Compute Workloads: Configured Jenkins hybrid runners to support compute-intensive Unity builds, improving build scalability, parallel execution capacity, and deployment efficiency.

## **Qtiminds Pvt. Ltd.**

*DevOps Engineer Intern*

*Jan 2025 – Jun 2025*

*Hyderabad, India*

- Deployed Full Stack Web Applications on AWS: Hosted Node.js and NPM-based applications on EC2 instances running Linux, configuring Nginx as a reverse proxy with SSL certificate management.
- Implemented Application Process Management: Managed Node.js application processes using PM2 daemon services to ensure high availability and automatic process recovery.
- Designed Automated CI/CD Pipelines: Built deployment pipelines using GitHub Actions to automate build and deployment workflows for application updates.
- Managed Application Data and Cache Services: Configured and maintained backend resources including AWS RDS databases and Redis caching systems for improved application performance.

## **Education**

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### **Gautam Buddha University**

*B.Tech in Computer Science | CGPA: 8.9*

*2021 – 2025*

*Greater Noida, India*

## **Certifications**

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- **AWS Cloud Practitioner Essentials** — AWS Skill Builder
- **Docker Foundations and Advanced Terraform** — LinkedIn Learning
- **Blockchain & Applications** — NPTEL (IIT)