

Manohar Eddagiri

Pennsylvania, USA | +1 (814) 566 5774 | manohareddagiri11@gmail.com | [LinkedIn](#)

Summary

DevOps Engineer with 4+ years of experience designing, automating, and managing cloud infrastructure, CI/CD pipelines, and Kubernetes platforms across insurance and fintech domains. Skilled in AWS, Terraform, Docker, Kubernetes, Jenkins, GitHub Actions, and DevSecOps, with expertise in Infrastructure as Code, cloud security, observability, and release engineering. Experienced in leveraging GitHub Copilot, Claude Code (Agentic CLI), and ChatGPT/Claude to accelerate infrastructure automation and engineering productivity. Proven track record of delivering secure, scalable, and highly available cloud platforms while improving operational efficiency and platform reliability.

Skills

- **Programming & Scripting:** Python, Bash, Shell Scripting, SQL, YAML, HCL
- **Cloud Infrastructure (AWS):** Amazon EC2, Amazon EKS, Amazon S3, Amazon RDS, VPC, IAM, Route 53, Elastic Load Balancer (ELB), Auto Scaling, CloudWatch, CloudTrail, AWS KMS, AWS Secrets Manager, AWS WAF
- **Containers & Orchestration:** Docker, Kubernetes (Amazon EKS), Helm, Argo CD, Container Orchestration, Horizontal Pod Autoscaling
- **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation, Ansible, Infrastructure as Code (IaC), Configuration Management, Infrastructure Automation
- **CI/CD & Release Engineering:** Jenkins, GitHub Actions, Git, Maven, Nexus Repository, SonarQube, CI/CD Pipelines, Continuous Integration, Continuous Delivery, GitOps, Blue-Green Deployments, Deployment Automation, Release Management
- **Monitoring & Observability:** Prometheus, Grafana, ELK Stack, OpenTelemetry, Amazon CloudWatch, Distributed Tracing, Centralized Logging, Application Performance Monitoring, Incident Management
- **Security & DevSecOps:** DevSecOps, HashiCorp Vault, Trivy, Vulnerability Scanning, IAM, AWS Secrets Manager, AWS KMS, SSL Certificate Management, Security Compliance, PCI DSS Compliance, Policy as Code
- **Platform Engineering & Cloud Operations:** Linux, Microservices, REST APIs, Platform Engineering, Site Reliability Engineering (SRE), High Availability, Disaster Recovery, Cloud Migration, Cloud Cost Optimization, Performance Optimization, Root Cause Analysis, Troubleshooting, Agile, Scrum
- **AI-Assisted Engineering & Developer Productivity:** GitHub Copilot, Claude Code (Agentic CLI), ChatGPT, Claude, Prompt Engineering, AI-Assisted Development, Rapid Prototyping

Experience

DevOps Engineer MetLife, USA

Jan 2025 – Present

- Architected cloud-native infrastructure using AWS, Terraform, Amazon EKS, Docker, and GitHub Actions to standardize enterprise platform deployments and improve infrastructure consistency for insurance policy administration and digital claims platforms supporting more than 220 production microservices across 8 AWS environments.
- Engineered enterprise CI/CD pipelines using Jenkins, GitHub Actions, Maven, SonarQube, Nexus Repository, and automated quality gates to streamline secure software delivery and execute more than 1,400 production deployments each month for application engineering teams.
- Leveraged GitHub Copilot, Claude Code (Agentic CLI), and ChatGPT/Claude for AI-assisted infrastructure development, Terraform module generation, Kubernetes troubleshooting, CI/CD automation, and operational runbook creation, accelerating engineering productivity while maintaining enterprise DevSecOps and platform governance standards.
- Modernized Kubernetes workloads using Amazon EKS, Helm, Argo CD, GitOps, and Horizontal Pod Autoscaling to improve platform scalability and maintain application availability for customer-facing insurance services processing over 9 million API requests daily.
- Strengthened cloud security by integrating IAM, AWS KMS, Secrets Manager, HashiCorp Vault, container image scanning, Trivy, and policy enforcement into deployment workflows to protect sensitive insurance data and satisfy enterprise security and compliance requirements.
- Automated infrastructure provisioning through reusable Terraform modules, VPC networking, load balancers, Route 53, and disaster recovery automation to provision more than 320 AWS resources while eliminating manual configuration across development, QA, and production environments.
- Enhanced platform observability using Prometheus, Grafana, ELK Stack, CloudWatch, OpenTelemetry, and distributed tracing to reduce Mean Time to Resolution by identifying and resolving more than 180 production alerts before customer impact.
- Partnered with software engineering, SRE, platform engineering, and cybersecurity teams to implement DevSecOps practices, API gateway integrations, blue-green deployments, policy-as-code, and automated compliance validation to improve release reliability across enterprise insurance applications.

Cloud Engineer Razorpay, India

Mar 2021 – Dec 2023

- Designed and maintained highly available AWS infrastructure using EC2, VPC, Auto Scaling, Elastic Load Balancer, Route 53, RDS, S3, IAM, and CloudFormation to support digital payment platforms processing over 12 million payment transactions every day across multiple production environments.
- Automated CI/CD pipelines using Jenkins, Docker, Git, Maven, Ansible, and Bash scripting to accelerate software delivery and successfully execute more than 900 application deployments every month with minimal manual intervention.
- Containerized Java Spring Boot and Node.js microservices using Docker and Kubernetes to simplify application deployment, improve workload portability, and support scalable payment processing services running across 150+ Kubernetes workloads.
- Configured centralized monitoring and observability using Prometheus, Grafana, ELK Stack, CloudWatch, and CloudTrail to improve production visibility and proactively monitor cloud infrastructure, application performance, and payment transaction health.
- Optimized AWS infrastructure through compute rightsizing, Reserved Instances, storage lifecycle management, and automated resource scheduling to manage cloud environments consisting of more than 450 compute instances while significantly reducing operational costs.
- Implemented cloud security using IAM least-privilege access, AWS WAF, Secrets Manager, SSL certificate automation, vulnerability scanning, container security, and DevSecOps controls to strengthen PCI DSS compliance for enterprise payment infrastructure.
- Collaborated with developers, QA engineers, and platform teams to automate environment provisioning, disaster recovery testing, infrastructure scaling, blue-green deployments, and production readiness activities supporting high-volume payment events with sustained platform reliability.

Education

Masters: Computer and Information Science

Gannon University Erie, PA, USA