

# Anurag Tamrakar

Senior Platform Engineer

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## PROFESSIONAL SUMMARY

Senior Cloud, Platform & DevOps Engineer with 7+ years of experience designing, operating and automating AWS Cloud infrastructure, Kubernetes and Enterprise CI/CD Ecosystems. Experienced across Cloud Infrastructure, Platform Engineering, Site Reliability Engineering and DevOps with Strong expertise in Infrastructure as Code, Kubernetes, Automation, Observability, Security and operational excellence. Proven track record of supporting large-scale engineering platforms used by 40+ global product teams across 2,000+ repositories and 10+ Kubernetes clusters > 500 nodes.

## TECHNICAL SKILLS

**Cloud & Infrastructure:** AWS, Terraform, CloudFormation, Serverless Framework, OpenStack, Cloud Cost Optimization.

**AWS Services:** EC2, VPC, IAM, EKS, S3, Route 53, CloudWatch, ALB/NLB/ELB, Auto Scaling Groups, ENI, ECS, KMS, SNS, SES, Cloudtrail, RDS, DMS, API Gateway, Cognito, ECR etc.

**Orchestration & Containers:** Kubernetes (CNI, RBAC, Ingress, StorageClass), Docker, Helm, OpenShift, vCluster, EKS, ContainerD, AppArmor, Trivy, Runtime Classes, Cluster Autoscaling, HPA / VPA, Karpenter, OPA, Network Policies.

**CI/CD & GitOps:** ArgoCD, Codefresh, FluxCD, GitHub Actions, GitLab-CI, Jenkins, AWS, CodePipeline / CodeBuild / CodeDeploy, Microsoft Azure DevOps.

**Scripting & Automation:** Python (boto3, automation scripting), Bash, Ansible, YAML, REGO

**Security & Compliance:** DevSecOps, HIPAA, PCI/DSS, SOC2, ChainGuard, GateKeeper, Checkmarx, SonarQube / SonarCloud, BlackDuck, Fortify, WhiteSource (Mend), Network / Application Hardening, TLS/SSL, Reverse Proxies.

**Observability & Reliability:** Prometheus, Grafana, DataDog, Open Telemetry (Otel), NewRelic, Dynatrace, PagerDuty, Splunk, SignalFX, CloudWatch, APM, Backup & Disaster Recovery.

**AI & Developer Productivity:** GitHub Copilot, Cline, Model Context Protocol (MCP) Server integration, and Agentic AI architectures for workflow automation, Ollama, kAgent, Amazon BedRock, uv, FastMCP

**Systems & Networking:** Linux Administration, System Engineering, Windows Server, Active Directory, DNS, Web Servers (Apache/Nginx), Storage Management (NFS/iSCSI/LVM), Cloud Networking, Underlay/Overlay Networks.

**Platform Engineering & DevEx:** Internal Developer Platform (IDP), Platform Engineering, Golden Paths, Self-Service Infrastructure, Developer Experience (DevEx), Software Supply Chain Security, Policy as Code, Kubernetes Platform, Multi-Tenant Platform, Infrastructure Platform, Developer Productivity, Engineering Enablement.

**Data, Messaging & Middleware:** PostgreSQL, MySQL, Microsoft SQL Server, Redis, Elasticsearch, Kafka, RabbitMQ, MongoDB, NGINX, Apache HTTPd, HAProxy, Tomcat, Memcached.

## PROFESSIONAL EXPERIENCE



**S&P Global | Senior Platform Engineer | July 2024 - Present**

**Modernization & SaaS Enablement:** Partnered with architects to support the ongoing modernization of the thinkFolio platform; established the foundational DevOps lifecycle, enabling accelerated developer contribution in a hybrid (Legacy + SaaS) development and infrastructure environment.

**CI/CD Automation & Optimization:** Led the organizational migration from GitLab to GitHub Actions for thinkFolio; refactored complex legacy Ansible roles into high performance Python modules and custom automation scripts, reducing deployment time by ~40% and significantly lowering deployment failure rates (Outcome: improved deployment stability and velocity).

**Platform Standardization:** Defined and standardized CI/CD patterns adopted across engineering teams, significantly improving consistency.

**Architectural Leadership:** Partnered with architects and application teams to drive platform modernization initiatives, acting as the subject matter expert for Kubernetes and GitOps architectures.

**Observability & Reliability Engineering:** Reduced MTTR by 50% through custom observability dashboards and log-driven alerting, preventing multiple client-facing incidents.

**Scalability & Architectural Consulting:** Actively consulted with development teams on the transition from standalone monoliths to distributed monolith patterns, optimizing infrastructure scalability and long-term cost efficiency.



**Precisely | Senior DevOps Engineer | September 2020 - July 2024**


**GitOps Transformation:** Led adoption of GitOps deployment standards across 40+ global product engineering teams, enabling consistent and auditable application delivery through ArgoCD, CodeFresh, Helm Charts, and Sealed Secrets across 10+ Kubernetes clusters (500 Nodes+).

**Platform Engineering & Enablement:** Owned and enhanced shared CI/CD pipeline templates, Terraform modules, and developer automation frameworks used by 40+ global engineering teams. Supported delivery workflows across 2,000+ repositories and 10+ Kubernetes clusters (500+ nodes), driving platform standardization, scalability, and developer productivity. 1000+ Deployments

**Ephemeral Environments:** Implemented on-demand ephemeral environments using Loft and DevSpace; automated provisioning upon PR creation and integrated auto-sleep policies, significantly reducing cloud infrastructure costs, accelerating developer feedback loops and productivity.

**Jenkins-as-a-Service (JaaS):** Built a Kubernetes-based Jenkins-as-a-Service platform supporting 25+ engineering teams, 2,000+ repositories, and hundreds of monthly deployments. Reduced platform maintenance effort by 70% through GitOps-driven automation, centralized governance, and self-service onboarding.

**Supply Chain Security:** Hardened container pipelines by implementing Admission/Mutating Webhooks and wolfi base images (zero vulnerabilities) with ChainGuard and GateKeeper, ensuring secure, compliant deployment workflows and to prevent supply chain attacks.

 SourceFuse Technologies | DevOps Engineer | March 2020 - September 2020

**Infrastructure Scalability & Compliance:** Engineered and deployed scalable, HIPAA and PCI-DSS compliant cloud infrastructure on AWS using Terraform and CloudFormation, ensuring robust security, data integrity, and strict adherence to regulatory standards.

**Performance Optimization & Reliability:** Proactively tuned application performance on cloud infrastructure, driving top-tier system availability and responsiveness by implementing rigorous monitoring, logging, and automated alerting strategies.

**Microservices & Orchestration:** Accelerated deployment cycles by containerizing microservices and managing orchestration on Kubernetes, leveraging automated CI/CD pipelines to streamline workflows and reduce time-to-market.

**Incident Management:** Played a key role in SRE operations, providing production support during critical service interruptions and executing rapid recovery procedures to maintain business continuity.

 Pitney Bowes | DevOps | April 2019 - March 2020

**Infrastructure Support:** Assisted in the provisioning and maintenance of scalable AWS cloud infrastructure, gaining hands-on experience in supporting high-availability microservice deployments.

**CI/CD Automation:** Contributed to the development and optimization of CI/CD pipelines, learning to streamline build and release processes across development environments.

**Operational Learning:** Shadowed senior team members, providing support to product teams on DevOps best practices, while actively deepening knowledge in system design and operational efficiency.

## CERTIFICATIONS

**CKS:** Certified Kubernetes Security Specialist

**CKA:** Certified Kubernetes Administrator

**CKAD:** Certified Kubernetes Application Developer

**RHCSA:** Red Hat Certified Systems Administrator

**RHCE:** Red Hat Certified Engineer

**Ansible:** Red Hat Certified Specialist in Ansible Automation

**OpenShift:** Red Hat Certified Specialist in OpenShift Administration

**ArgoCD:** GitOps Certified Fundamentals

**ArgoCD:** GitOps Certified at Scale

## EDUCATION

Bachelor of Technology in Computer Science and Engineering, AKS University, Satna, MP