

# Kostiantyn Kostin

## DevOps Engineer

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### PROFESSIONAL SUMMARY

DevOps Engineer with a strategic mindset and a focus on building reliable, automated, and scalable systems. I approach technology as a craft — combining precision, structure, and adaptability to deliver consistent results. Dedicated to continuous improvement, efficiency, and creating environments where teams and systems operate seamlessly together.

Experienced in AWS cloud automation, Infrastructure as Code, and CI/CD practices with a focus on reliability and scalability.

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### WORK EXPERIENCE

#### DevOps Engineer | Expedia Group | Chicago, IL

Jun 2022 - Present

- Designed, implemented, and maintained scalable cloud infrastructure in AWS, supporting production workloads with high availability and security requirements.
- Established Infrastructure as Code practices using Terraform, enabling repeatable deployments and reducing configuration drift across environments.
- Owned containerized application platforms based on Kubernetes (EKS), ensuring stable deployments, efficient scaling, and controlled rollouts.
- Built and evolved CI/CD pipelines to automate application and infrastructure delivery, improving deployment reliability and release velocity.
- Integrated infrastructure validation and security checks into CI/CD workflows to prevent misconfigurations and enforce baseline compliance.
- Developed reusable Terraform modules and shared patterns to standardize infrastructure provisioning across multiple services.
- Implemented and maintained observability solutions using Prometheus, Grafana, and AWS CloudWatch to support proactive monitoring and alerting.
- Improved incident detection and response by defining meaningful alerts and dashboards for critical system metrics.
- Strengthened cloud security posture through IAM role design, least-privilege access policies, and network-level protections.
- Implemented deployment strategies including rolling and blue/green releases to minimize downtime and deployment risk.
- Supported hybrid and limited multi-cloud integrations involving AWS and selected Azure or GCP services.
- Used Helm to manage Kubernetes application deployments and environment-specific configuration.
- Optimized CI/CD pipelines by improving execution flow, caching, and artifact management.
- Automated operational workflows using Bash and Python to reduce manual intervention and operational overhead.
- Managed container image workflows, including build, tagging, and storage in container registries.
- Configured DNS routing, load balancing, and TLS termination to ensure secure and reliable service access.
- Monitored cloud resource utilization and contributed to cost optimization efforts through usage analysis and cleanup initiatives.
- Played an active role in incident response and post-incident analysis, contributing to reliability improvements.
- Collaborated closely with development teams to improve deployment processes, environment stability, and developer experience.
- Authored and maintained technical documentation, deployment guides, and operational runbooks.

- Improved infrastructure reliability by participating in capacity planning, scaling reviews, and performance tuning of cloud workloads.
- Contributed to defining environment standards such as naming conventions, tagging strategies, and baseline configurations to improve governance and visibility.
- Supported release management processes by coordinating deployments, rollbacks, and environment readiness across teams.
- Assisted in designing backup, recovery, and failover mechanisms to improve system resilience and disaster recovery readiness.
- Implemented log aggregation and analysis workflows to improve troubleshooting efficiency and reduce mean time to resolution (MTTR).
- Mentored junior engineers by reviewing code, sharing best practices, and providing guidance on infrastructure and CI/CD workflows.

### **Cloud Engineer | J.Crew | Chicago, IL**

**Sep 2020 - Jun 2022**

- Supported AWS cloud environments across multiple development and staging accounts, assisting with day-to-day infrastructure operations and maintenance.
- Assisted in provisioning and managing cloud infrastructure using Infrastructure as Code (Terraform), following existing standards and best practices.
- Participated in deploying and maintaining core AWS services including EC2, S3, RDS, VPC, ALB, and Auto Scaling groups.
- Helped develop, update, and maintain reusable Terraform configurations and modules under guidance of senior engineers.
- Supported IAM role and policy management to ensure secure access control and adherence to least-privilege principles.
- Assisted with implementing and maintaining CI/CD pipelines for application deployments and infrastructure changes.
- Helped automate routine operational tasks using Bash scripts and basic Python utilities.
- Built, customized, and maintained Dockerfiles to support containerized application builds and deployments.
- Assisted with managing Docker images in private repositories and supporting container-based workflows.
- Supported Kubernetes environments by assisting with application deployments, scaling activities, and basic troubleshooting.
- Helped monitor infrastructure and application health using AWS CloudWatch and basic metrics dashboards.
- Assisted with logging and audit configurations including CloudTrail and VPC Flow Logs.
- Participated in incident response activities, assisting with troubleshooting, root cause analysis, and resolution of infrastructure issues.
- Worked closely with development teams to support application deployments and environment stability.
- Used Git and GitHub for version control, code reviews, and collaboration within the engineering team.
- Documented infrastructure configurations, operational procedures, and deployment workflows to support knowledge sharing.
- Followed Agile development processes, participating in sprint planning, stand-ups, and retrospectives.

### **CORE SKILLS**

- Cloud Platforms: AWS (EC2, VPC, S3, EBS, IAM, RDS, Lambda, SQS, SNS, CloudWatch, CloudFormation), Azure, and GCP.
- Infrastructure as Code: Terraform, Ansible, Checkov.
- CI/CD: Jenkins, GitHub Actions
- Containerization & Orchestration: Docker, Kubernetes (EKS), Helm, Cert Manager, Ingress Nginx, External DNS.
- Scripting: Python, Bash, Groovy.
- Source Control Management: Git, GitHub, Bitbucket.
- Monitoring & Logging: Prometheus, Grafana, Datadog, CloudWatch, ELK Stack.
- Networking: VPC, Load Balancers, Route 53, Security Groups, VPN, NACLs.
- Security: AWS IAM, WAF, Encryption.
- Collaboration Tools: Jira, Confluence, Slack, MO365.
- Core Skills: Collaboration, Time Management, Agile, Problem Solving, Teamwork, Adaptability, Communication, Quick Learner.

### **CERTIFICATIONS**

- AWS Certified Solutions Architect, AWS Certified Cloud Practitioner
- HashiCorp Certified: Terraform Associate (003)
- Certified GitHub Actions
- PCEP - Certified Entry-Level Python Programmer

### **EDUCATION**

Bachelor of Science in Public Health, Kherson State University, Kherson, Ukraine, June 2019