

# Kostiantyn Kostin

## DevOps and Cloud Engineer

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### SUMMARY

Highly motivated DevOps and Cloud Engineer specializing in AWS cloud automation, Terraform, and security-hardened infrastructure design. Strong background in Infrastructure as Code, containerization, and configuration management with a track record of building scalable, repeatable systems. Fast learner who dives deep into complex problems and emerges with simple, effective solutions. Thrive on challenges that require upfront planning and precise execution. Practical experience deploying CI/CD pipelines, establishing monitoring frameworks, and orchestrating cloud migrations. Committed to finishing what I start and making infrastructure invisible to teams through thoughtful automation.

### SKILLS

- Cloud: AWS (EC2, S3, VPC, IAM, RDS, Lambda, SNS, CW, CF), Azure.
- Infrastructure as Code: Terraform, Ansible, Checkov.
- CI/CD: GitHub Actions.
- Scripting: Python, Bash.
- Source Control Management: GitHub, Bitbucket, Git
- Monitoring: Prometheus, Grafana, Datadog, CloudWatch.
- Networking: VPC, Load Balancers, Route 53, Security Groups.
- Security: AWS IAM, Control Tower.
- Containerization: Docker, Kubernetes, Helm.
- Collaboration Tools: Jira, Confluence, Slack, 365.
- Core Skills: Agile, Team Collaboration, Strategic Problem Solving, Time Management, Communication, Quick Learner.

### WORK EXPERIENCE

#### DevOps Engineer | Expedia Group | United States

Jun 2022 - Present

- Designed, implemented, and maintained highly available cloud infrastructure on AWS and Azure, supporting multiple production workloads while meeting strict security and reliability standards.
- Implemented and maintained observability and monitoring solutions using Prometheus, Grafana, Datadog, and AWS CloudWatch, enabling proactive alerting and early detection of performance issues.
- Integrated security scanning tools into CI/CD pipelines to prevent misconfigurations and vulnerabilities before deployment.
- Configured Route 53 for DNS routing, managed Load Balancers, and implemented SSL certificates, ensuring secure and high-performance application delivery.
- Developed reusable Terraform modules and shared infrastructure patterns, standardizing provisioning workflows across multiple services and teams.
- Deployed Kubernetes clusters with VPC, EBS, and security groups, enabling secure, high-availability container orchestration across multiple hosts.
- Managed AWS firewall configurations using Terraform, automating security group and NACL configuration for controlled access and traffic filtering.
- Troubleshooted and resolved complex cloud infrastructure issues, conducting thorough RCAs to identify and fix issues and prevent future occurrences.

- Automated infrastructure provisioning and updates using Terraform and Ansible, ensuring consistent and reliable deployments across environments.
- Implemented Helm for streamlined application deployment and management.
- Reduced system downtime and upheld SLA targets through proactive incident response using advanced monitoring and logging.
- Acted as an on-call engineer in a 24/7 rotation, quickly resolving high-severity cloud infrastructure incidents and ensuring minimal customer impact.
- Resolved critical incidents in production Kubernetes environments, leveraging kubectl, Helm, and logs to identify root causes and drive permanent fixes
- Streamlined CI/CD pipelines with GitHub Actions, cutting deployment times by 30% and managing Docker container deployments.
- Troubleshooted Kubernetes cluster issues related to master and worker node components issues
- Installed and managed packages and services on Linux systems with Ansible on different distribution systems like Ubuntu, RedHat, Fedora, and Amazon Linux.
- Centralized documentation for projects within Jira using Confluence, enabling faster onboarding for new team members and improving cross-team collaboration.
- Automated build, test, and deployment workflows with GitHub Actions, boosting release reliability and reducing human intervention.

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**Cloud Engineer | J.Crew | Chicago, IL****Sep 2020 - Jun 2022**

- Deployed and managed AWS cross-account resources using Terraform.
- Managed AWS IAM resources and policies with security best practices.
- Automated AWS infrastructure builds through Infrastructure as Code and CI/CD practices, using Terraform and GitHub Actions, enhancing deployment efficiency.
- Migrated applications from EKS to ECS, optimizing scalability and reducing costs through AWS-native orchestration
- Followed Agile development processes, participating in sprint planning, stand-ups, and retrospectives.
- Used Git, Github and BitBucket for source code management and code flow.
- Operated and managed cloud environments with multi-AZ VPCs.
- Built and managed Terraform backend in AWS, enabling remote state management and secure infrastructure provisioning across teams.
- Automated manual tasks using Bash and Python, including scheduled backups and integrations.
- Supported the deployment and management of applications on AWS EC2 instances, laying the groundwork for future containerization and Kubernetes adoption.

**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

**LANGUAGES**

- English
- Ukrainian
- Polish
- Russian