Serge Abroyan

Place of birth: Yerevan, Armenia | **Phone number:** (+374) 98160513 (Mobile) | **Email address:** sergeabroyan@gmail.com | **Website:** https://github.com/SergeAbroyan | **LinkedIn:** www.linkedin.com/in/serge-abroyan | **Telegram:** @SergeAbroyan

ABOUT ME

DevOps Engineer with over 7 years of experience in software engineering, including 5+ years specializing in cloud infrastructure, Kubernetes, automation, and production operations. With a background in Java backend development, I understand both how applications are built and what it takes to run them reliably at scale. My expertise includes AWS, Terraform, Terragrunt, Kubernetes, CI/CD, and GitOps, with a strong focus on infrastructure reliability, security, and operational efficiency. I'm passionate about simplifying complex systems, improving deployment processes, and building infrastructure that development teams can depend on. Certified Kubernetes Administrator (CKA) and HashiCorp Certified Terraform Associate.

WORK EXPERIENCE

DEVOPS ENGINEER – NDA – 04/2024 – Current

- Designed, provisioned, and maintained **AWS cloud infrastructure from scratch** using Terraform and Terragrunt, focusing on scalability, security, and maintainability.
- Designed and managed **Amazon EKS clusters**, including Kubernetes networking, workload deployment, and infrastructure configuration.
- Implemented **GitOps deployment workflows using Argo CD and Helm**, standardizing application delivery across environments.
- Designed and configured **AWS networking and security components**, including VPCs, public/private subnets, routing, security groups, and IAM policies.
- Built and maintained **monitoring, logging, and observability solutions** using Prometheus, Grafana, Loki, and the Elastic Stack.
- Developed and improved **CI/CD pipelines using GitLab CI/CD and GitHub Actions**, automating application builds and deployments.
- Automated infrastructure management and operational processes using **Bash and Python**, reducing repetitive manual tasks.
- Collaborated with development teams to improve **infrastructure reliability, deployment efficiency, and application scalability**.

DEVOPS ENGINEER – SOFTCONSTRUCT – 09/2021 – 04/2024 – YEREVAN, ARMENIA

- Managed **GitLab CI/CD pipelines** for building and deploying slot game services and supporting backend applications.
- Deployed and maintained **containerized applications using Docker and Kubernetes**, leveraging Helm for application deployment and configuration management.
- Supported **staging and production environments**, troubleshooting deployment failures, system issues, and application performance problems.
- Monitored **infrastructure and application performance using Prometheus and Grafana** to support production stability.
- Performed **Linux server administration and Bash scripting** to automate routine operational tasks.
- Collaborated with **development and QA teams** to coordinate releases, resolve technical issues, and improve deployment reliability.

JAVA SOFTWARE ENGINEER – ADDEVICE – 06/2019 – 09/2021 – YEREVAN, ARMENIA

- Developed and maintained **backend applications and RESTful APIs using Java and Spring Boot**, focusing on performance, reliability, and maintainable code.
- Implemented **business logic and integrated third-party APIs and external services** to support application functionality.
- Designed and optimized **database queries and data access operations using PostgreSQL and MySQL**.
- Improved **application performance and maintainability** through debugging, code refactoring, and resolving backend issues.
- Wrote and maintained **unit and integration tests** to ensure code quality and application stability.

- Collaborated with **frontend developers and QA engineers** to deliver new features, resolve bugs, and maintain reliable applications.
- Participated in **code reviews and Git-based development workflows**, following clean coding practices and software development standards.

TECHNICAL SKILLS

JOB-RELATED SKILLS

Cloud Platforms & AWS: EC2, EKS, ECS, ECR, S3, RDS, ElastiCache, SQS, SNS, CloudWatch, CloudFront, AWS Budgets, Route 53, ALB, NLB, ACM.
Cloud Networking & Security: VPC Architecture, Public/Private Subnets, Route Tables, Internet/NAT Gateways, VPC Endpoints, Security Groups, NACLs, IAM Roles & Policies, OIDC Federation, EKS Pod Identity, KMS, Secrets Manager, AWS WAF, Least-Privilege Access.
Containers, Kubernetes & GitOps: Docker, Kubernetes, Helm, Kustomize, Argo CD, Karpenter.
Kubernetes Networking & Service Mesh: CNI, Cilium, Flannel, Istio, Envoy Proxy, NGINX.
Infrastructure as Code & Configuration Management: Terraform, Terragrunt, Ansible, TFLint.
CI/CD & Automation: GitHub Actions, GitLab CI/CD, Jenkins, Bitbucket Pipelines.
DevSecOps & Policy Enforcement: Trivy, Checkov, Kyverno, SonarQube.
Monitoring, Logging & Observability: Prometheus, Grafana, Loki, OpenTelemetry, Elastic Stack (Elasticsearch, Logstash, Kibana).
Reliability, Disaster Recovery & Cost Optimization: High Availability, Fault Tolerance, Disaster Recovery Planning, Backup & Restore, Autoscaling, Resource Optimization, AWS Cost Optimization, FinOps.
Programming & Scripting: Bash, Python, Go, Java, Spring Boot, REST APIs.
Databases, Caching & Messaging: PostgreSQL, MySQL, Redis, Valkey, RabbitMQ.
Operating Systems & Version Control: Linux, Git.

CERTIFICATIONS

The Linux Foundation
Certified Kubernetes Administrator (CKA)

Link https://www.credly.com/badges/8dbdb3fd-158f-4e7a-a9d4-282ef755fbfa

HashiCorp
HashiCorp Certified: Terraform Associate (004)

Link https://www.credly.com/badges/f392b822-fd9f-4cb8-aeac-68f418a1cf94

EDUCATION AND TRAINING

Yerevan, Armenia
MASTER'S DEGREE Radiophysics Yerevan State University

Yerevan, Armenia
BACHELOR'S DEGREE Radiophysics Yerevan State University

LANGUAGE SKILLS

Mother tongue(s): **ARMENIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1