Andrii Lytvynenko – Curriculum Vitae

E-Mail: a.v.lytvynenko2004@gmail.com Cell phone: +48 451 224 798 Website: alytvynenko.net GitHub: fecton

Senior DevOps & Cloud Engineer

Technical skills

- Cloud & Infrastructure: AWS (EC2, ECS, EKS, Lambda, S3, RDS, VPC, Route53, ALB/NLB, CloudFront, MWAA, EventBridge, IAM, Cost Explorer, Bedrock), GCP (GKE, VPC, Load Balancers)
- Infrastructure as Code (IaC): Terraform, Terraform Enterprise, Terragrunt, Ansible, CloudFormation
- Containers & Orchestration: Kubernetes (CKA, EKS), Docker, Helm
- CI/CD & DevOps Tools: Jenkins (Jules), Spinnaker, ArgoCD, GitOps, Gerrit, Jira
- Monitoring & Observability: Prometheus, Grafana, Datadog, Dynatrace, AWS CloudWatch, InfluxDB (Flux), AlertManager
- Scripting & Languages: Python, Bash, Java (Vanilla, Spring Boot), Groovy, SQL
- Build tools: Gradle, Maven, CMake
- Networking & Web: Nginx, HAProxy, Kafka, Zookeeper
- Databases: PostgreSQL, MySQL, RDS

Experience

Aug 2025 - Oct 2025: Senior/Lead DevOps Engineer at Luxoft Poland on a financial project: JP Morgan Chase (Contract successfully completed)

- Delivered and maintained cloud infrastructure using Terraform in multiple dev environments, pre-prod, and prod environments with automatic scale and serverless services with multi-AZ deployments and multi-region S3 and RDS replications (active-passive) using AWS services (ECS, MWAA, and Lambda)
- Monitoring using Dynatrace, Datadog, and Cloudwatch: investigating Lambda errors and resource usage
- Developed CI/CD pipelines with Jules and Spinnaker with Terraform Enterprise, across build, test, and deploy stages involving Java and Docker
- Contributed to cloud architecture planning and continuous improvement of platform design
- Collaborated with cross-functional international teams (DevOps, QA, Developers, Architects, Analysts)

Feb 2023 - Aug 2025: DevOps Engineer at Luxoft Poland on 3 automotive projects:
Mercedes-Benz User Experience (MBUX): NTG6 (legacy) / NTG7 (modern) / Gen20x (new)

- Led urgent and time-limited Terraform Enterprise migration from Terragrunt, completing it in 30% of the planned time (1 month instead of 3 months) with half the team size (3-5 instead of 10 engineers), every day reports to stakeholders about the development status, performance tracking, and management by Team calls, Jira comments, and Confluence pages
- Led network architecture redesign to remove Nginx network bottlenecks with high availability and reliability principles using AWS services (ALB, NLB, EC2, Route53, EKS, CloudFront, VPC, Event Bridge)
- Reworked legacy code, resulting in a reduction in the rarity of incidents by 70% and the ability to handle high peaks of traffic with hundreds of thousands of requests per second
- Led documentation initiatives to improve transparency for the client and newly onboarded people, created a complete infrastructure and testing documentation, and knowledge sharing procedures, resulting in better team efficiency and involvement
- Led urgent production Kubernetes cluster restoration on weekends after the accident, restoring from automatic backups, resulting in cluster restoration, implementing countermeasures, and documenting the accident
- Implemented GenAI-powered log analyzer using AWS Bedrock (OpenAI GPT-4.0), reducing incident investigation time by 60% through automated pattern recognition and root cause analysis
- Regular mentoring of a team of 10 members, and support with one-to-one calls
- Implemented and maintained IAM policies, secrets, and regular security audits in the AWS environment
- Designed and implemented Gerrit High Availability Cluster architecture using corosync, pacemaker, and distributed storage (GFS2, DLM, LVM, lvmlockd), and automation, eliminating downtime during maintenance
- Optimized Gerrit infrastructure by migrating from a single large instance to a 3-node cluster, reducing EC2 costs by 40% ($3,000/month) while improving reliability

- Designed and implemented event streaming between multiple Gerrit instances using Kinesis, Kafka, and Zookeeper to handle traffic peaks
- Delivered monitoring solution covering Gerrit HA components (instances, metrics, ALB/NLB, EBS, RDS) with Prometheus and Grafana
- Implemented automated DR and backup/restoration strategies covering Gerrit HA using EBS snapshots
- Delivered client-facing technical and architecture presentations to audiences of 10-100 stakeholders
- Performed regular FinOps initiatives and analyses, reducing test environment costs by 50% and production by 20% without any performance loss, and saved $5,000+ monthly with AWS Cost Explorer and Cost Optimizer
- Maintained and implemented Jira processing jobs, automating release procedures with Python
- Implemented build/test/release pipelines with Java, Groovy, Python, AWS SDK, and Jenkins
- Monitoring and observability: delivered dashboard with visualizations and alerts with Grafana, prepared queries for database using SQL and Flux with InfluxDB, kubernetes cluster monitoring, and EC2 instances monitoring with Prometheus; implemented automatic incident ticket creation with Grafana, AlertManager, and Jira Alert
- Performed regular upgrades and maintenance for DevOps tools

Jul 2021 - Jan 2023: DevOps Engineer – Freelance (Web projects)

- Actively working with Ansible, Terraform, Jenkins, GitOps, ArgoCD, Kubernetes, Helm, AWS, Azure, Linux, Bash, Python, PostgreSQL, and MySQL

Apr 2020 - Jun 2021: Full-Stack Web Developer – Freelance projects (Web projects)

- Developed websites using HTML, CSS, JS, and PHP, Laravel with MySQL database

Jan 2019 - Feb 2020: System Administrator – Settlement Council

- Maintaining and troubleshooting network issues, working with physical network devices

Education

Sep 2021 - Jul 2025: Kharkiv Aviation Institute: Bachelor's Degree in Computer Science

IT Certifications

HashiCorp Certified: Terraform Associate (003)
AWS Certified Cloud Practitioner
AWS Certified AI Practitioner (AIF-C01)
Certified Kubernetes Administrator (CKA)

Spoken Languages Levels

English - Upper-Intermediate, Russian - Native, Ukrainian - Native, Polish - Upper-Intermediate

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