



## Roman Nehay

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[LinkedIn](#) | [GitHub – AWS DevOps & Cloud Developer Projects](#)

Minsk, Belarus

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### Summary

DevOps Engineer with hands-on experience, validated by RS School certificates, building and automating fault-tolerant infrastructure in AWS using Terraform and Kubernetes. Skilled in implementing full-cycle CI/CD pipelines (Jenkins, GitHub Actions), setting up monitoring (Prometheus, Grafana, Alertmanager), and securing cloud environments. Experienced with both cloud and local infrastructure deployment (Docker, Hyper-V, VirtualBox) and familiar with VMware/vCenter concepts. Strong understanding of software development processes (JavaScript/Front-end, iOS, Serverless), enabling effective collaboration with developers. Actively seeking to apply and optimize DevOps processes to improve delivery speed, reliability, and team efficiency.

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### Technical Skills

- **Cloud Platforms:** AWS (EC2, S3, IAM, VPC, RDS, DynamoDB, MySQL, EKS, EBS, Route53, CloudWatch, ECR, Lambda, API Gateway, SQS, SNS, Cognito, CloudFront)
- **Infrastructure as Code (IaC):** Terraform (modules, remote state), AWS CDK, AWS SAM, AWS CloudFormation
- **CI/CD:** Jenkins (Declarative Pipelines, Jenkinsfile, Kubernetes Plugin), GitHub Actions, Helm (chart creation & deployment)
- **Containerization & Orchestration:** Docker, Kubernetes (k3s, EKS, Deployments, Services, Ingress, Healthchecks, Liveness/Readiness probes)
- **Monitoring & Logging:** Prometheus (Operator, ServiceMonitor, alert rules), Grafana (dashboards, alerts), Alertmanager, AWS CloudWatch
- **Security & Networking:** AWS Security Groups, Bastion host, NAT Gateway/Instance, public/private subnet design, IAM roles/policies
- **Languages & Scripting:** Python, TypeScript, Bash, JavaScript
- **Operating Systems:** Linux (Ubuntu, Amazon Linux), macOS
- **Tools:** Git, AWS CLI, SonarQube, kops, VirtualBox, Hyper-V

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### Professional Experience & Projects

#### AWS DevOps Engineer — RS School (Internship / Projects)

06.2025 – 08.2025

- **Infrastructure as Code (Terraform):** Automated full AWS infrastructure creation — VPC with public/private subnets, Route Tables, Security Groups, NAT Gateway, Bastion host, EC2 nodes with EBS volumes. Configured S3 bucket for Terraform remote state. Created IAM roles and policies for secure Kubernetes access to AWS resources.
- **Kubernetes Cluster (k3s):** Installed and configured a production-ready k3s Kubernetes cluster on EC2

instances. Validated cluster health and workloads.

- **CI/CD Pipeline (Jenkins + Helm + GitHub Actions):** Installed Jenkins inside Kubernetes using Helm. Created custom Helm chart for the application with Liveness and Readiness probes. Built full declarative Jenkins pipeline including build, tests, SonarQube scan, Docker image build, push to ECR, and Helm deployment. Configured GitHub Actions workflows for additional automation.
  - **Monitoring Stack (Prometheus + Grafana):** Deployed Prometheus stack (Prometheus, Grafana, Alertmanager) with Helm. Configured ServiceMonitor to scrape metrics, created Grafana dashboards, and tested alerting rules.
  - **Local Infrastructure:** Set up CI/CD labs on local infrastructure using Docker, Hyper-V, and VirtualBox — experience transferable to VMware/vCenter.
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## AWS Cloud Developer — RS School (Internship / Projects)




02.2025 – 04.2025

- **Serverless Development:** Designed and deployed a serverless web application using AWS Lambda, API Gateway, DynamoDB, and S3.
  - **Event-Driven Architecture:** Implemented event-driven workflows using S3 Event Notifications, EventBridge, SQS, and SNS.
  - **Databases & Storage:** Worked with NoSQL (DynamoDB) and relational databases (Amazon RDS). Configured S3 versioning, lifecycle management, events, and access control.
  - **Security & Authentication:** Implemented user authentication and authorization using AWS Cognito (User Pools, Identity Pools) and Lambda Authorizers.
  - **Infrastructure & Content Delivery:** Configured static SPA hosting using S3 and CloudFront. Automated deployment pipelines with AWS SAM and AWS CDK.
  - **Containerization:** Learned Docker fundamentals and deployed containerized applications with AWS Elastic Beanstalk.
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## Education




Belarusian State University of Informatics and Radioelectronics

Specialist Degree in Industrial Electronics (Radioelectronics Engineer) |  06.2015

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## Certifications

- RS School AWS DevOps Certificate |  08.2025
  - RS School AWS Cloud Developer Certificate |  04.2025
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## Languages

- Russian: Native
- English: B1+ (comfortable reading technical documentation, can participate in calls with preparation)