

# Artem Semenenko

## Sr. DevOps engineer

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### Objectives:

- To collaborate with cross-functional teams, including software developers, QA engineers, and product managers, to ensure successful delivery of software projects and to provide technical leadership in designing and implementing cloud infrastructure.

### EXPERIENCE:

#### OneTrust

Reston, Virginia (Remote)

Senior DevOps Engineer

Feb 2021 - Apr 2023

- Led the migration of on-premise infrastructure to AWS, resulting in a 30% reduction in infrastructure costs and a 40% increase in system uptime.
- Designed and implemented a **Kubernetes** - based container orchestration platform, resulting in a 50% reduction in deployment times and a 25% increase in scalability.
- Led DevOps initiatives for a high-traffic e-commerce platform, optimizing infrastructure automation, deployment pipelines, and CI/CD processes.
- Designed and implemented a scalable, fault-tolerant AWS architecture, utilizing services such as EC2, S3, **RDS**, and **Lambda**, resulting in a 30% reduction in infrastructure costs.
- Implemented automated testing, continuous integration, and deployment pipelines using **Jenkins**, resulting in a 60% reduction in deployment errors and a 20% increase in software quality.
- Mentored junior engineers and collaborated with cross-functional teams to deliver high-quality software on time and within budget.
- Implemented and maintained network monitoring and alerting solutions such as **Prometheus**, **Alert Manager**, and **Grafana**, resulting in improved network performance and uptime.
- Developed and implemented network automation solutions utilizing tools such as **PowerShell**, **Ansible**, and **Nginx**, resulting in improved network management and efficiency.
- Implemented the private cloud services - IaaS, PaaS using **OpenStack**, **OpenShift**(**Docker**, **K8s** - container orchestration)
- Implemented auto deploying and managing of **OpenStack** services on K8s using **Ansible Playbook**.
- Led the automation efforts for deployment and monitoring of complex multi-tier applications in a large-scale environment, utilizing **Python** and **Ansible** scripting.
- Created custom **Python** scripts to automate routine tasks and streamline operations, reducing manual effort by 70% and improving efficiency.
- Led a **team** of 3 DevOps engineers responsible for designing, implementing, and maintaining a complex infrastructure that supported [number] of mission-critical applications.

## TechLink Systems

San Francisco, CA

Senior DevOps Engineer

May 2019 – Feb 2021

- Developed and maintained network automation solutions utilizing tools such as **Ansible**, **Terraform**, and **Nginx**, resulting in improved network management and efficiency.
- Designed and implemented a scalable and secure **hybrid** cloud infrastructure using AWS and OpenStack, resulting in a 50% reduction in infrastructure costs and a 35% increase in system uptime.
- Developed and maintained automated deployment pipelines using Jenkins, resulting in a 40% reduction in deployment times and a 15% increase in software quality.
- Managed and optimized a high-traffic web application, resulting in a 30% increase in user engagement and a 25% reduction in page load times.
- Collaborated with cross-functional teams to ensure the seamless integration of software releases and new features.
- Configured and managed authentication and authorization technologies such as **Keycloak** and **LDAP**, resulting in improved network security and access control.
- Configure and manage all network components within the network virtualization infrastructure using VMWare and VSphere.
- Implemented the **private** cloud services - IaaS, PaaS using **OpenStack**, **OpenShift**(Docker, K8s)
- Implemented the Spine-leaf 2 and 3 layer communication by accessing with **PowerShell** and configured VLAN and VXLAN configuration with **OpenvSwitch** and **OpenBridge**.
- Implemented and managed identity and access management platforms such as multi-factor authentication and password management tools that help prevent unauthorized access to network resources, especially for remote users.
- Implemented regular backup and recovery procedures in case of unexpected data breach or data loss events.

## Seagen

Bothell, WA

DevOps Engineer

Aug 2016 – May 2019

- Implemented Infrastructure as Code (IaC) using tools like **Terraform** and **Cloud Formation**, achieving reproducible and version-controlled infrastructure provisioning.
- Managed and optimized a large-scale e-commerce platform, resulting in a 40% increase in sales and a 20% reduction in infrastructure costs.
- Designed and implemented a continuous delivery pipeline using **Jenkins**, resulting in a 60% reduction in deployment times and a 30% increase in software quality.
- Developed and maintained infrastructure automation scripts using **Ansible**, resulting in a 50% reduction in manual operations and a 25% increase in system uptime.
- Collaborated with cross-functional teams to ensure the timely delivery of software releases and new features.
- Led efforts to containerize **Rails** applications using **Docker** and orchestrate them using **Kubernetes**, resulting in improved scalability and streamlined deployments.

## **Skills:**

- CI/CD pipeline development and maintenance
- Disaster recovery planning and implementation
- Infrastructure scalability and performance optimization
- Team leadership and mentorship
- Security measures implementation and management
- System performance monitoring and metrics
- Automation of operational tasks
- Scripting and tool development
- Research and evaluation of new technologies
- Cloud computing platforms (AWS, Azure, Google Cloud)
- Containerization technologies (Docker, Kubernetes)
- Configuration management tools (Ansible, Puppet, Chef)
- Version control systems (Git, SVN)
- Continuous integration tools (Jenkins, Bamboo, TeamCity)
- Monitoring and logging tools (ELK Stack, Prometheus, Grafana)
- Networking and security protocols
- Linux and Windows system administration
- Programming languages (Python, Ruby, Go, Shell scripting)

## **EDUCATION:**



Bachelor's degree of Computer Science

University of Southern California

08/2011 – 05/2016 California, United States