Vladimir Popov

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SUMMARY

DevOps engineer with skills including but not limited to implementation, delivery, support and maintenance of mission critical applications and platforms. Possess excellent communication skills and ability to troubleshoot issues under pressure. Great team player and highly independent at the same time, quick learner with hunger for success as a team member and individual to help organization with growth, scalability and improvements in design and process of legacy and latest technologies.

EXPERIENCE

ROKOLABS LLC
Sr. DevOps Engineer *(Full Time)* **(10/2022 – Present)**

- **Lead DevOps** engineer supporting multiple client projects in **FinTech, Healthcare, Construction** and other fields.
- Designed multi-environment CI/CD pipelines (**Jenkins**, **GitLab**, **Azure DevOps**) automating deployments and infrastructure provisioning via **Terraform** and **Ansible**, improving deployment speed and consistency **by 70%.**
- Architected **AWS-based microservices** and hybrid integrations for clients operating across on-prem and cloud ecosystems.
- Implemented centralized monitoring and alerting with **Grafana**, **CloudWatch**, and **Prometheus**, reducing MTTR by 40% through proactive incident detection and correlation.
- **Designed** and **built Grafana** dashboards for a **blockchain-based** (Etherium network) settlement platform, providing real-time analytics and alerting across SWIFT, Bank of England, and UK participant bank payment flows, enabling instant reconciliation and operational visibility.
- Playing a key role in annual **SOC-2** audit, including evidence collection, environment verification, and auditor engagements to validate compliance controls.
- **Leading** internal **security** awareness campaigns and technical trainings to promote best practices across Dev, QA, and Operations teams, strengthening the company's overall security posture.
- **Oversee internal IT operations** ensuring high availability of shared infrastructure and a frictionless developer experience.
- **Collaborated** with **C-level** personnel and technical leadership to **design** scalable, **secure** architectures aligned with compliance and cost objectives.

Technologies and Tools:

- **Operating** Systems: Windows Server, Linux (RHEL, CentOS, Ubuntu), MacOS
- **Cloud Platforms**: AWS, GCP
- **Containerization & Orchestration:** Docker, AWS ECS/EKS, Helm
- **Data Processing**: DataBricks, RedShift
- **CI/CD**: Jenkins, AWS CodePipeline, BitBucket Pipelines, Github Actions,Flux
- **Infrastructure as Code**: Terraform, Ansible Tower, AWS CloudFormation
- **Monitoring & Observability**: New Relic, AWS CloudWatch
- **Logging & Tools**: Grafana, SEQ, Kibana
- **Web Servers:** Microsoft IIS, NGINX, Apache
- **Databases:** MSSQL, Postgres, Elasticsearch, MongoDB, MySQL/MariaDB (cloud and on-prem), Vertica
- **Networking:** AWS ALB/NLB, F5 BigIP, haProxy, nginx (load balancing and security)

Certifications:

- AWS Certified DevOps Engineer - Professional
- AWS Certified Solutions Architect – Associate
- AWS Certified SysOps Administrator – Associate
- AWS Certified Cloud Practitioner
- HashiCorp Certified: Terraform Associate
- Cisco Certified Network Associate (CCNA)

Independent Consultant, United States (Global/Multiple Projects)
DevOps/Tier2 Support/Implementation engineer (06/2020 – 05/2022)

- Architected and delivered infrastructure solutions across multiple industries, prioritizing automation, scalability, and high availability across hybrid on-prem and cloud environments.
- Provided Tier-2 support for mission-critical applications running on Windows and Linux microservices platforms, resolving complex production issues and improving reliability.
- **Built** and **optimized** CI/CD pipelines using **Jenkins, Azure DevOps**, and **AWS CodePipeline**, streamlining multi-environment deployments and reducing manual effort.
- Designed and deployed containerized workloads using **Docker**, **AWS ECS/EKS**, **Kubernetes**, improving portability and developer velocity.
- Executed large-scale data processing jobs on **AWS EMR**, integrating **Python** and **Apache Spark** workflows with third-party APIs and on-prem data pipelines.
- Tuned and hardened **IIS**, **NGINX**, and **Apache** hosting environments to improve application performance, security posture, and operational stability.
- Implemented comprehensive observability stacks using **AppDynamics**, **New Relic**, **CloudWatch**, and **SEQ** to enable proactive incident detection and faster root-cause analysis.
- Collaborated with development teams to define **infrastructure standards**, **enhance deployment** pipelines, and **modernize** legacy application architectures.
- Delivered knowledge-transfer and platform optimization sessions for operations teams, improving day-to-day support processes and production readiness.
- Automated platform tasks using **PowerShell**, **Bash**, **Terraform**, **Ansible**, and **CloudFormation**, enabling repeatable, predictable infrastructure deployments.

Technologies and Tools

- **Operating Systems**: Windows Server, Linux (RHEL/Ubuntu), macOS, iOS, Android
- **Cloud Platforms**: AWS, Azure, GCP, Oracle Cloud, DigitalOcean
- **IaC & Automation**: Terraform, Ansible, CloudFormation, PowerShell, Bash
- **CI/CD**: Jenkins, Azure DevOps, AWS CodePipeline
- **Containerization & Orchestration**: Docker, AWS ECS/EKS, Kubernetes
- **Web Servers:** IIS, NGINX, Apache
- **Databases**: MSSQL, PostgreSQL, MongoDB, Elasticsearch, MySQL/MariaDB
- **Networking**: AWS ALB/NLB, F5 BigIP, HAProxy, NGINX (LB/security)
- **Virtualization**: VMware, Citrix Xen
- **Training**: Completed 12-month hands-on mentorship in AWS, on-prem infrastructure, and DevOps engineering best practices.

Carnival Cruise Line
Guest Tech Project Lead *(Contractor)* **(12/2018-03/2020)**

Responsible for training team members and department heads with regards to content management, scheduling and application features by hosting daily meetings.

Ongoing day to day application, network and DB health checks and maintenance, with guidance from GuestTech DevOps team. Responsible for onsite troubleshooting of management/tracking platforms as well as issue resolutions with regards to global content network across multiple entities and platforms.

Have great ability to perform full scope end-to-end testing along with troubleshooting of complex issues with regards to mobile implementations and networks. Worked closely with product and development teams on feature implementation and was responsible for QA process of these enhancements.

Worked independently, generated weekly productivity reports. Prioritize steps, milestones and time requirements to complete the projects.

Carnival Cruise Line
Photographer/LabTech Assistant *(Contractor)* **(07/2017-11/2018)**

Taking pictures of the guests in different locations, taking pictures on special events (crew and guest events). Collecting guests' feedback to improve myself in photography. Individual approach for every single guest. Working in Pixels Photo Gallery with retails, guest pictures. Helping guest with finding pictures, promoting pixels photo packages, sales and upsells with packages. Anticipating guest needs.

On Digital Photo Ships. Promoting Carnival Hub app to the guests, helping with downloading, installing and troubleshooting if needed on both platforms (Android and iOS). Training guests working with pixels app functionality on tablets in gallery. Solving issues with Carnival Hub App and Pixels App (on iPads). Department training for Photographers, Photo Manager, Lab Techs with Sherlock App, Pixels App, Carnival HUB, Admin Tool, Chromium (Photo Lamel).

Setting up all Samsung Phones for photographers, iPads for pixels photo gallery, Photo lamels for pixels photo gallery. Support and maintenance all. Complete photo lab technician training. Printing guest pictures in photo lab, working in Darkroom 9.2., uploading guest pictures to AdminTool (web-interface). Daily maintenance for printers. Interaction with Guest Service Manager, Media Manager, Hotel Director and Cruise Director. Because of photo duties. Living and working in ship environment. Understanding normal day to day operations on a ship.

Innovative Technologies Corporation LTD (RUSSIA) IT Support (04/2015 – 05/2016)
IT-Support / Jr. SysAdmin *(Full Time)*

Deployment of IT infrastructure, desktops, servers and peripheries. Troubleshooting users' desktop issues with network connectivity and computer performance.

Technologies and Tools:

- OS: Windows/Windows Server, Mac OSX, Linux
- Helpdesk platforms: Zendesk