# VLADIMIR OSTAPENCO

## DEVOPS ENGINEER

🌐 vladost.com          ✉ pro@vladost.com          in linkedin.com/in/vladostpro

I am a DevOps engineer with a PhD in Computer Science passionate about cloud computing, cybersecurity, and open-source technologies.

For more than 7 years, I am working with various cloud technologies, focusing on deployment automation, container orchestration, CI/CD pipelines, monitoring, security and energy efficiency.

Throughout my career, I have worked on several projects developed in various languages such as Python, C, JavaScript and Rust.

I am currently an independent DevOps engineer promoting DevSecOps culture and specializing in Kubernetes, Ansible, Terraform and Python.

## EXPERIENCE

**VladOst, Lyon**
*2025 - Present*

**Independent DevOps engineer**
Promoting DevSecOps culture and specializing in Kubernetes, Ansible, Terraform and Python

**Skills:** Kubernetes, Helm, Docker, Ansible, Terraform, Gitlab CI/CD, Jenkins, Argo CD, Python

---

**Claude Bernard University, Lyon**
*2018 - Present*

**Part-time teacher**
Lectures and practical work sessions for master's degree students on:
- **Infrastructure:** Kubernetes, Log Management (ELK/EFK Stacks, Graylog, Grafana Loki)
- **Security:** OWASP Top Ten, VPN (IPsec, OpenVPN, WireGuard)

---

**Lugus Labs, Lyon**
*2019 - 2023*

**Cofounder - Developer - DevOps Engineer**
- Design and development of a high-availability solution for blockchain PoS (Proof-of-Stake) validator nodes (JavaScript/Node.js, React, Rust, Substrate)
- Deployment, deployment automation, and maintenance of a cluster of highly available distributed validator nodes with supervision and log centralization stacks (Docker, Ansible, Terraform, Prometheus, Loki, Grafana, WireGuard)
- Co-organization of local blockchain meetings in Lyon, France

**Skills:** JavaScript, Rust, Docker, Ansible, Terraform, Prometheus, Loki, Grafana, Python, WireGuard, Linux

---

**iExec Blockchain Tech, Lyon**
*2017 - 2019*

**System Administrator - DevOps Engineer**
- Design and creation of cloud and on-premises infrastructures (AWS, VMWare, Cisco)
- Infrastructure deployment automation (Ansible, Terraform)
- Participation in the implementation of a CI pipeline (Docker, Github, Jenkins)
- Implementing monitoring and log centralization stacks (Grafana, Prometheus, Graylog)
- Deployment and deployment automation of the main software product (Docker, Ansible)
- Deployment and deployment automation of an Ethereum POA sidechain (Ethereum, POA, BlockScout, TokenBridge, Solidity, JavaScript, Ansible)
- Lead of highly-available Ethereum nodes on Kubernetes project (Kubernetes, Ethereum)
- Developer of iExec Stack Deployment Engine project (Python, Ansible)
- Creation of a custom dashboard solution for worker pools (Grafana, JavaScript, MongoDB)

**Skills:** AWS, Python, Ansible, Kubernetes, Docker, Terraform, Jenkins, Linux, Grafana, Prometheus, Graylog, VMWare, Cisco, Ethereum, Solidity, JavaScript, MongoDB

---

**Claude Bernard University, Lyon**
*2016 - 2017*

**System Administrator - Internship**
- Planning and deployment of a log centralization solution (Graylog)
- Deployment automation (Puppet, Foreman)
- Deployment of a container orchestration solution and a CI/CD pipeline (Kubernetes, Rancher, Gitlab CI/CD)

**Skills:** Graylog, Kubernetes, Rancher, Gitlab CI/CD, Puppet, Foreman, Linux, Windows

## SKILLS

- Kubernetes, Helm, Docker
- Ansible, Terraform
- GitLab CI/CD, Jenkins, GitHub Actions, Argo CD
- AWS, GCP, OVHcloud, OpenStack
- Grafana, Prometheus, Loki, Graylog, ELK
- Python, Bash, JavaScript, C, Rust

## EDUCATION

**École normale supérieure de Lyon**

*2021 - 2024*

**PhD degree in Computer Science**

Energy efficiency and environmental impact reduction of large-scale cloud data centers. Explored in my thesis:

- Techniques and tools for measuring and modeling energy consumption
- Techniques (leverages) for reducing energy consumption and carbon footprint of cloud data centers
- VM consolidation in a large-scale production cloud infrastructure
- Proposal and validation of a leverage modeling approach and a leverage management framework

**Technologies and tools:** Python, Docker, OpenStack, Prometheus, Linux, C, Intel RAPL, DVFS, constraint solvers (Gurobi, Hexaly, OR-Tools), PowerAPI, Scaphandre

**Claude Bernard University, Lyon**

*2015 - 2017*

**Master's degree in Systems, Networks and Virtual infrastructures**

Linux and Windows system administration, infrastructure management and supervision, project management, network security, cloud and virtualization technologies, databases

## LANGUAGES

Russian (Native)

French (Bilingual)

English (Fluent)

## HOBBIES

Cycling

Hiking

Music production