



# Sergiu Cusnir

Jun DevOps / IT Infrastructure Engineer / System Administrator

## Details

Sergiu Cusnir

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Nationality: Moldavian

Date of Birth: 09/12/1991

## Profile

**Jun DevOps / IT Infrastructure Engineer / System Administrator** 10+ years of versatile experience in IT infrastructure with solid hands-on background. Strong experience with Microsoft ecosystem, experienced with IAM platforms (Azure Entra ID, Active Directory). Competent Linux background with Nginx, HA Architecture, Databases, Docker, Git, CI/CD and Ansible automation. Experienced with container orchestration for deploying scalable applications. Hands-on expertise configuring monitoring/observability stacks (Prometheus, Grafana, Loki, Zabbix, ELK). Skilled in IaC, CI/CD pipeline automation, and backup strategies. K8S - Rancher basics. Known for end-to-end problem resolution and partnering with cross-functional teams to deliver projects successfully. AI aspiring.

## Employment History

### Linux System Administrator, STISC, Chisinau, Moldova

June 2025

#### CORE SKILLS

- **Linux System Administration:** User & permission management, systemd, processes, storage (LVM, NFS, ext4/xfs), backups, package management
- **NGINX & High Availability:** NGINX as reverse proxy, load balancer, and failover component in HA architectures
- **Containers & Orchestration:** Docker containerization, image lifecycle, Docker Compose; Kubernetes fundamentals, Rancher
- **Automation & IaC:** Ansible automation, Bash scripting, IaC practices
- **CI/CD & Version Control:** Git workflows, CI/CD pipeline automation for build and deployment
- **Monitoring & Reliability:** Prometheus, Grafana, Loki, Zabbix, ELK; troubleshooting, root cause analysis, recovery strategies

#### KEY PROJECTS

##### 1. High-Availability Laravel Blog Infrastructure with Load Balancing

Designed and implemented a high-availability web infrastructure handling high traffic volumes. Solution: Implemented a multi-tier architecture with manually configured Linux services, supplemented by Docker for selected components using dual Nginx reverse proxies using Keepalived failover, load-balanced across three Laravel application servers with centralized MySQL database, BIND9 DNS server, shared NFS storage, and LVM data management. Secured with TLS self-signed certificates, ModSecurity, and GeoIP2 filtering. Impact: Zero-downtime deployments, automated backups, flexible storage scaling and 24/7 uptime through automatic failover

##### 2. CI/CD Laravel Project

Blog application built on Laravel framework, containerized with Docker and orchestrated via Docker Compose for automated deployment. Configured GitLab runners on application servers for CI/CD pipeline execution. Application and database deployed on separate servers with Nginx as reverse proxy. Integrated Git repository with automated CI/CD pipeline for continuous integration and deployments. Implemented Harbor registry for secure container image storage and

artifact management. Configured LVM for flexible storage, BIND9 DNS, and TLS certificates for encrypted communication.

### 3. ELK Stack Implementation for Centralized Log Management

Implemented enterprise ELK Stack (Elasticsearch, Logstash, Kibana) for centralized log aggregation and real-time analytics across distributed infrastructure, with Filebeat agents deployed on multiple servers for scalable and high-availability log collection.

### 4. Enterprise Infrastructure Monitoring with Zabbix

Deployed a Zabbix environment using an external PostgreSQL database for scalability. Integrated agents for real-time server metrics and implemented synthetic web monitoring for proactive health tracking.

### 5. Enterprise Monitoring Stack Implementation (Prometheus, Grafana, Loki)

Deployed comprehensive monitoring stack using Prometheus, Grafana, and Loki for production infrastructure observability. Implemented Prometheus for metrics collection with Node and Nginx Exporters, Grafana for visualization dashboards, and Loki for centralized log aggregation. Configured Promtail agents for real-time log shipping from Nginx servers. Wrote custom PromQL queries for advanced monitoring and automated alerting rules.

## Service Desk Unit, Quipu, Chisinau, Moldova

SEPTEMBER 2023 — JUNE 2025

### CORE SKILLS

- **Infrastructure & Networking:** PXE boot deployments support, DHCP scopes & reservations, VPN certificates, FTP, server room operations, switch configuration support, Jump Servers
- **Microsoft Stack:** Windows OS (all tiers), Exchange (on-prem & O365), Azure, Intune, BitLocker, Power BI, Teams, Outlook, OneDrive
- **System Administration:** Active Directory user lifecycle (creation, scripting, attributes editor), Co-Management enrollment, laptop provisioning, onboarding/offboarding automation
- **PowerShell Automation:** Custom scripts for AD management, repetitive support tasks, internal tooling
- **Security & Certificates:** BitLocker recovery, issuing CA VPN certs, certificate troubleshooting
- **Printing Solutions:** Safe-Q printer fleet administration and troubleshooting
- **CRM & Integration Support:** CRM–Telephony integration support across platforms
- **Troubleshooting Expertise:** End-to-end OS & hardware support, with minimal escalations required
- **Documentation & Process Improvement:** Authored solution guides, MSP templates, and ticket workflows

### KEY PROJECTS

#### 6. VMS Integration Project (Qognify & BVI)

Led the entire lifecycle of a complex Video Management System deployment. Responsible for server pre-configuration, networking setup, process logic debugging, and systems architecture refinement. Actively guided the Product Manager in creating and assigning the right tasks, defining workflow sequences, and ensuring project milestones were met with zero downtime. Acted as a technical lead across departments.

#### 7. Network Infrastructure Redesign

Redesigned and optimized internal network layout and switch configurations to support scalable growth and reduce performance bottlenecks.

#### 8. PXE Deployment Implementation

Rolled out PXE-based OS provisioning for laptop deployment. Support and tested boot environments, resolved driver/network compatibility issues, troubleshoot issues and provide solutions.

#### 9. MSP Ticketing Template Initiative

Created standard operating templates for Managed Service Provider (MSP) worklogs and request closures, improving ticket consistency and reducing handling time.

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## IT Operational Support Engineer/Manager, British American Tobacco-Moldova, Chisinau, Moldova

MARCH 2020 — JANUARY 2023

- Monitoring and ensuring the functionality of the IT hardware and IT/technical assets.
- Monitoring and ensuring the functionality of the Networking, VOIP, Server, Printers, PCs, Tablets.
- Local support for end-users, software installation, preparing workplaces, office equipment installation.
- Assistance in setting up telepresence sessions, user accounts management (Active Directory)

- Reconfigured Active Directory within an existing infrastructure by implementing a new logical structure and redesigning Group Policy Objects (GPOs) to align with updated organizational needs and improve manageability.
- IT Projects "Migration of Local Server and Network Infrastructure to Cloud Solutions"
- IT related cost management in compliance to IT Budget Holder.
- IT Contracts Management.

### **Operating Systems Administrator, S.E. Special Telecommunications Center, Chisinau, Moldova**

MARCH 2015 — MARCH 2020

- Service Desk managing (distributing tasks by complexity and urgency, identification of effective solutions that increase the solved tasks from 50-60% to 95%).
- Managing "Digital Signature". Started engineering from the beginning, after became the head manager of support center. Created an analog of Service Desk for task solution, that was perfected for Digital Signature. Approx 35000 Customers.
- Head manager supporting PIGD (Programul Integrat de Gestionare a Dosarelor), as the technical support as well as juridical.
- Technical support and incidents solutions for Government Email.
- Administrating Gov Project RSC (Registry de Stat al Controalelor).
- Administrating the Ministry of Justice Intranet.

### **Information System Engineer, S.E. Special Telecommunications Center, Chisinau, Moldova**

MARCH 2014 — MARCH 2015

- Provided end-to-end IT support across multiple domains, acting as a universal support engineer handling both L1 and L2 technical incidents.
- Resolved a diverse set of service requests and incidents, ranging from routine Service Desk tickets (password resets, user account issues, software installations) to more complex tasks involving system access, VPN, local network issues, and application errors.

## **Education**

Degree of Licentiate in Exact Sciences, applied; Computer Science, Moldova State University, Chisinau, Chisinau (Moldova)

SEPTEMBER 2010 — JUNE 2014

Master Degree in Law Specialization Law; Business, Academy of Economic Studies of Moldova, Chisinau (Moldova), Chisinau, Moldova, Chisinau

SEPTEMBER 2014 — JUNE 2016

## **Self-Developing**

### ***DevOps Knowledge (Self-Study & Practice Projects)***

Currently expanding my skill set in AWS DevOps through hands-on practice and structured learning.

#### **Key Areas of Exposure:**

- **AWS Cloud Fundamentals:**  
Practical lab-based experience with:  
**EC2 , EBS , S3 , RDS , EFS**  
**Load Balancing , Auto Scaling , Cloud Watch**  
**Security Groups , Key Pairs , DNS routing** , and deploying application artifacts
- **Cloud Projects (Simulated):**  
AWS Cloud App Deployment (infrastructure setup, routing, and scaling)  
Re-architected a monolithic app to microservices-style deployment (basic level)

### ***Artificial Intelligence aspired***

Also expanding my skill set in Artificial Intelligence through hands-on practice and structured learning.

### Key Areas of Exposure:

- **Stable Diffusion Forge / Comfy UI**

**Administration:** Experienced in deploying and configuring Stable Diffusion Forge and ComfyUI from scratch across multiple platforms, including Ubuntu, Windows, and pod-based infrastructures.

**Experience:** Solid experience with Stable Diffusion, covering end-to-end setup and usage: configuring the interface, managing dependencies, selecting and tuning checkpoints, applying LoRAs and VAEs, advanced prompt engineering, image scaling, and quality optimization.

- **AI Industry**

Practical understanding of AI industry concepts and tools, with experience exploring and applying platforms such as n8n, Claude Code, and related technologies.

## Certificates

MicroTik MRCNA

JUNE 2015

ITIL Foundation Certificate in IT Service Management

NOVEMBER 2024 — NOVEMBER 2027