

Pavel ZINUROV

INFRASTRUCTURE / DEVOPS — INTERNSHIP / ALTERNANCE

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Student at 42 Paris, currently pursuing the advanced track "Expert in IT Architecture", specializing in Systems and Networks. My interest in infrastructure grew after I started out as a developer, and I now want to gain more experience designing, building, and operating real-world systems. Available immediately, with flexibility regarding the start date.

EDUCATION

42 Paris | 2024 — present
RNCP 7 « Expert en architecture informatique », option Système d'information et réseaux. Common core completed 2025.

RTU MIREA — College of Programming and Cybersecurity | Moscow | 2017 — 2021

Programming in Computer Systems: computer science, automata theory, operating systems, math and statistics, C#/C++.

TECHNICAL SKILLS

- **Systems & Networking:** Linux, Bash, SSH, firewalls, system administration
- **Infrastructure & DevOps:** Docker, Nginx, Ansible, deployment
- **Programming:** C, C++, Python
- **Tools:** Git, Make, VirtualBox
- **Familiar with:** GitHub Actions, monitoring tools, Kubernetes (K3s, K3d), Oracle Cloud Infrastructure

SOFT SKILLS

- Troubleshooting, autonomy, teamwork, and technical communication

LANGUAGES

- **English:** fluent
- **French:** beginner

INTERESTS

- Self-hosting, free software, digital privacy

PROJECTS

INFRASTRUCTURE & OPERATIONS

infra-platform — two-node cloud infrastructure project

2026 · Ansible · Docker · GitHub Actions · ARM64 · OCI

- Developed an Ansible playbook to configure a bare Ubuntu server as a platform node, including firewall rules, an encrypted WireGuard tunnel, and automatic certificates.
- Added monitoring with Prometheus, Grafana, and Gatus, along with backups.

cloud-1 — automated multi-server deployment

2026 · Ansible · Docker · MariaDB · Redis · Nginx

- Automated the deployment of a containerized WordPress environment using Ansible, including the database, Redis caching, Nginx, Let's Encrypt certificates, and monitoring.

Inception-of-Things — Kubernetes provisioning and GitOps

2026 · Kubernetes (K3s, K3d) · Vagrant

- Contributed to provisioning K3s server and agent nodes in Vagrant virtual machines, configuring hostname-based Ingress routing, and setting up a K3d cluster that synchronized deployments from a Git repository.

transcendence — real-time multiplayer web application

2025 · TypeScript · Docker · Nginx · ELK

- Contributed to a multiplayer platform with a Fastify backend managing game state through WebSockets. Deployed the application behind Nginx and integrated an ELK stack for log collection and analysis.

Self-hosted services

- Maintain several self-hosted services, including file synchronization, a password manager, a reverse proxy, and monitoring, used by me and a number of other users.

SYSTEMS PROGRAMMING

- **minishell** — Implemented a shell in C with parsing, pipes, redirections, environment handling, and signal management.
- **webserv** — Built an HTTP server in C++ with non-blocking I/O, virtual hosts, and CGI support.
- **push_swap, FdF, C++ 00-09, Python 0-4** — Coursework and projects covering algorithms, graphics, object-oriented programming, and development tooling.

EXPERIENCE

Database Design Intern | Vega | 2021

Designed and documented a normalized relational database schema for the IT department of a manufacturing company.

Software Development Intern | Alexrovich | 2020

Contributed to the development of a new file format for the 1C:Enterprise business platform.