Jessim SKIBA

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Software Engineering student — Cloud & Platform Engineering | Observability & Reliability

TECHNICAL SKILLS

Cloud & Infrastructure: Google Cloud Platform (GCP), Terraform, Kubernetes, Docker, Docker Compose, NGINX, Linux (Ubuntu, Arch, Fedora)
Observability: Datadog, Prometheus, Grafana; SLO/SLI implementation, error budgets
Automation & CI/CD: ArgoCD, Helm, Ansible, Bash, Make, Git, GitHub
Networking/Systems: TCP/IP, DNS, HTTP, concurrency, POSIX threads, memory management
Programming: C/C++, Kotlin, Python, JavaScript/TypeScript, SQL

EDUCATION

42 Paris — Software Engineering Program
Master RNCP Level 7 in Information Systems and Networks   Nov 2022 – Present
Core Focus: Systems Programming, Algorithm Design, Network Architecture, Low-level Programming
Key Coursework: Operating Systems, Computer Networks, Database Systems, Software Architecture

PROFESSIONAL EXPERIENCE

Sunday — Monitoring & Alerting Intern (SRE)   Jun 2025 – Present
- Providing SRE support to development teams, troubleshooting production issues and improving system reliability.
- Managing cloud infrastructure with **Terraform** and **Google Cloud Platform** (GCP).
- Gaining hands-on experience with **Kubernetes**, **Helm charts**, and **ArgoCD** while implementing monitoring solutions.
- Optimizing **Datadog** observability: reduced custom metrics costs by **20%** through strategic monitoring improvements.
- Implementing **SLO/SLI frameworks** and error budgets to improve incident response and platform reliability.
- Contributing to backend development in **Kotlin**/**Java** stack for monitoring-related features.

AXA GIE — IT Support Technician   Dec 2024 – Feb 2025
- Deployed hardware/network for new HQ; supported VIP users; ensured smooth workstation provisioning and inventory coordination.

Freelance STEM Tutor — Mathematics and Computer Science   Feb 2025 – Jun 2025
- Tutored 15+ students (math, physics, Python); built personalized plans focused on problem-solving and algorithmic thinking.

TECHNICAL PROJECTS

cloud_1 — Automated Cloud Infrastructure Deployment (Ansible + Monitoring) [GitHub]
- Fully automated deployment of NGINX, WordPress, MariaDB, and phpMyAdmin on cloud VPS using **Ansible** playbooks.
- Implemented Infrastructure as Code with idempotent tasks, configuration management, and automated SSL/TLS provisioning.
- Built comprehensive monitoring stack: **Prometheus** for metrics collection, **Grafana** dashboards for real-time observability.
- Configured service discovery, alerting rules, and production-ready features (healthchecks, auto-restart, persistent volumes).

ft_transcendence — Full-Stack Real-Time Gaming Platform [GitHub]
- Built multiplayer platform (Pong, Snake) with WebSockets and real-time sync; containerized dev environment with Docker Compose.
- TypeScript/Node.js backend with persistent storage (SQLite); responsive UI with live rooms, chat, matchmaking.

ft_IRC — RFC-Compliant IRC Server (C++) [GitHub]
- Multi-client server (50+ concurrent connections); channel management and user authentication; RFC 1459 core commands.
- Zero memory leaks (Valgrind verified); basic load tests (connect/auth/PRIVMSG).

Cub3D — 3D Graphics Engine (Raycasting) [GitHub]
- Implemented texture mapping, sprite rendering, and collision detection from scratch; optimized loop for 60+ FPS.

ACHIEVEMENTS & INTERESTS

Hackathon Winner — Hacking Health Normandie (April 2023): Coup de Cœur Prize for *Endotest*
Interests: Cloud-native architectures, Infrastructure as Code, Site Reliability Engineering, Open-source tooling
Languages: French (native), English (fluent)