

Jakub Stepien

Cloud DevOps & System AI Engineer



Profile

DevOps Engineer with **7+ years of experience** across AWS infrastructure, Kubernetes, Linux, and software development. Focused on infrastructure as code, GitOps migrations, deployment automation, and production operations. Combines cloud experience with hands-on networking, security, and backend development.

Skills

Cloud

AWS: EC2, EKS, VPC, IAM, KMS, MSK, MemoryDB; GCP

Infrastructure as Code

Terraform, Pulumi, CloudFormation, Ansible

Containers & Systems

Kubernetes, Helm, Docker, Karpenter, Linux, Proxmox

CI/CD & GitOps

Argo CD, Jenkins, GitLab CI

Observability

Prometheus, Grafana, CloudWatch, Splunk, Loki

Networking & Security

VPN, LDAP, OIDC, PKI

Programming & AI

Python, Go, Bash; DevOps tasks with Claude and Codex

Languages

Polish

Native

German

C2 — Goethe-Institut GDS

English

Working proficiency; many years of professional use

Contact

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🐙 <https://github.com/jak0b>

🌐 <https://www.linkedin.com/in/jak0b>

Experience

Aug 2023 – Oct 2026 **DevOps Engineer**

Grid Dynamics (contractor for a US-based company)

📍 remote

- Provisioned **AWS infrastructure** across multiple environments with **Terraform**: EC2, EKS, MSK (Kafka) with a Snowflake connector, and MemoryDB
- Imported existing cloud resources into Terraform to establish a single source of truth
- Optimized **EKS costs** with Karpenter and spot instances
- Migrated AWS CloudFormation stacks to Pulumi and automated infrastructure deployments through CI pipelines
- Migrated deployments from internal Jenkins pipelines to **GitOps with Argo CD**
- Automated certificate management with a private PKI, implemented **OIDC authentication and authorization** across multiple **microservices**, and was responsible for gRPC **microservices**
- Supported deployments and **on-call incident response** for a low-latency manufacturing system written in Go; configured Kubernetes alerts in Prometheus and troubleshoot AWS networking, reverse proxies, and load balancers
- Maintained legacy Ruby on Rails applications running as systemd services with Ansible; automated builds, tests, and deployments with Jenkins while keeping the systems up to date **without downtime**
- Mentored DevOps engineers

Sep 2018 – Jul 2022 **DevOps & System Engineer**

Docmatic.ai (formerly Random Forest)

📍 Krakow, Poland

- Managed Linux servers, switches, MikroTik routers, and Proxmox hosts running **virtualized Kubernetes clusters**
- Managed LDAP access and WireGuard/OpenVPN connectivity; configured site-to-site VPNs for encrypted multi-cloud communication
- Developed and deployed **Python microservices** (Flask, Django) with containerization
- Built and maintained CI/CD pipelines using GitLab
- Monitored application resource usage and **migrated on-premises resources to the cloud**
- Mentored new developers and contributed to Django backend development

Education

Sep 2017 – Sep 2021 **Bachelor's degree in Applied Informatics – Software Engineering**

Cracow University of Economics

Thesis: “Rust a possible successor to C – overview of the language and sample programs”