



JONAS KIRK PEDERSEN

Senior Freelance DevOps / Platform Engineer

CORE SKILLS

- **Platform & Orchestration:** Kubernetes (CKA), Docker, OpenShift, Cloud-Native Architecture
- **Infrastructure as Code:** Terraform, Ansible, Puppet
- **CI/CD:** Jenkins, GitHub, GitLab, Azure DevOps Pipelines
- **Cloud:** Microsoft Azure (AZ-900, AZ-104, AZ-204)
- **Monitoring & Observability:** Zabbix, Elasticsearch
- **Security & Supply Chain:** Sigstore / artifact signing, vulnerability scanning, RBAC, zero-trust architecture
- **OS & Languages:** RHEL, CentOS, Debian, Python, Bash

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)
- LPIC and LFCS (Linux Professional / Foundation Certifications)
- Microsoft Azure: AZ-900, AZ-104, AZ-204
- HashiCorp Certified: Terraform Associate

PROFESSIONAL EXPERIENCE

TERMA A/S — Platform Engineer, Monitoring Specialist (Freelance Consultant)

Apr 2026 – Aug 2026

- Designed and built a high-availability monitoring platform scaled to handle thousands of devices
- Automated deployment into an air-gapped environment spanning databases, log analytics, and proxies, with horizontal scaling built in
- Owned the architectural design and authored the platform's technical documentation
- (Specific vendor tooling omitted per client confidentiality)

Energinet — Platform Engineer, DevOps Practices (Freelance Consultant)

Nov 2022 – Mar 2026

- Designed and operated a zero-trust software supply chain for an air-gapped energy-sector environment, covering artifact signing, vulnerability scanning, and secure deployment across containerized on-prem and cloud platforms
- Built and maintained infrastructure-as-code pipelines using cloud-native tooling to support fully air-gapped deployment targets
- Ran security scans and vulnerability management across deployed artifacts for a national critical-infrastructure operator
- Owned and deployed the organization's artifact-signing tooling, establishing supply-chain integrity as a repeatable practice across teams
- (Specific vendor tooling omitted per client confidentiality)

Telenor — Application Engineer (Freelance Consultant)

Jan 2022 – Sep 2022

- Developed and shipped new features to improve internal systems supporting telecom operations
- Maintained and systematically improved an existing Python codebase, reducing technical debt
- Coordinated bug triage between development teams and data lake integration points
- Used Vagrant to provide a reproducible local development environment

Udvikling og Forenklingsstyrelsen — IT Specialist (Danish Agency for

PROFILE

Senior Freelance DevOps / Platform Engineer with 8+ years of contract engagements across Danish public sector, telecom, and energy infrastructure.

Specializes in Kubernetes, Infrastructure-as-Code (Terraform, Ansible, Puppet), and software supply-chain security — including artifact signing with Sigstore and zero-trust pipelines for air-gapped environments.

Delivers end-to-end platform ownership: Linux, Kubernetes, CI/CD, and monitoring/observability.

CONTACT

+45 22 63 43 93

jkp@nordkeel.dk

nordkeel.dk

linkedin.com/in/jonas-kirk-pedersen

github.com/Sifungurux

Denmark (remote / on-site EU)

AVAILABILITY

Available for new freelance contracts

HOBBIES

- Playing bass guitar
- House renovation
- Homelab infrastructure — Kubernetes on Raspberry Pi, self-hosted networking
- Video restoration & upscaling projects

GitHub — github.com/Sifungurux

- **k8s-colima-cluster:** local multi-node K8s dev cluster (Colima + k3d)
- **ansible-role-postgres-timescaledb-patroni:** HA PostgreSQL/TimescaleDB via Patroni + etcd
- **zabbix-maps-as-code:** Zabbix network-maps-as-code automation
- **k8s-dns-filtering:** DNS filtering for self-hosted NetBird (k3d)

Development and Simplification)

Nov 2017 – Dec 2021 | Zabbix · Jenkins · GitHub · CI/CD · Python · RedHat · Azure · Linux · Terraform

- Served as DevOps resource for development teams, supporting rapid deployment, testing, and monitoring across a data warehouse environment
- Administered RedHat servers and implemented Zabbix monitoring for the data warehouse, bringing visibility to a previously unmonitored platform
- Built custom ETL and operational-monitoring solutions; authored technical documentation in Confluence and coordinated directly with external suppliers
- Delivered CI/CD pipelines through Jenkins for an OpenShift platform, integrating GitHub Enterprise and Python-based deployment automation
- Built a Docker Swarm cluster to support development workflows
- Acted as DevOps resource on the Tax Administration's Azure EU Customs program: coordinated Git strategy and deployment standards, ran Terraform security scanning pre-deployment, built Azure DevOps pipelines for automated IaC, enforced RBAC and policy controls, and delivered Azure monitoring dashboards for data-flow and PaaS performance

Asom-net — Linux Server Administrator

Dec 2015 – Jul 2017 | CentOS · Linux · Puppet · Python · oVirt · Debian

- Implemented oVirt virtualization with Foreman for fully automated deployment of Puppet-coded infrastructure, including web, DNS, and mail services
- Performed server maintenance, patching, documentation, and risk assessment across a Debian/CentOS estate running on Cisco UCS blade hardware
- Configured Elasticsearch for log-based metrics visualization and audited code changes via GitLab
- Provided Zabbix monitoring and Level 2/3 customer support, including handling of sensitive personal data for police-sector clients
- Built internal scripts for security and maintenance automation

RECENT TECHNICAL WORK

- Building a homelab Kubernetes cluster (Raspberry Pi 5, kubeadm) for hands-on, CKA-aligned practice
- Developing Zabbix monitoring templates for Patroni/PostgreSQL and TimescaleDB clusters
- Studying Cilium/eBPF for identity-based network security
- Writing on Linux and infrastructure topics at “Under the Waterline” (nordkeel.dk/blog)