

MAX CERNY

Senior DevOps / DevSecOps & Cloud Platform Engineer · AI-driven Automation · Azure | AWS | GCP | on-prem
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For 20 years I have been helping companies build and run platforms and services across every major cloud and on-prem — today with AI doing the heavy lifting.

20 yrs UNIX & automation	10+ yrs Azure	10+ yrs DevOps & IaC	5 yrs Kubernetes	5 yrs AWS	5 yrs GCP
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PROFILE

Hands-on DevOps / DevSecOps engineer and cloud architect who designs, secures and operates enterprise platforms for global leaders in pharma, retail, banking, energy, industry and automotive. I combine deep **Azure, AWS and GCP** experience with **Infrastructure as Code, CI/CD and Kubernetes** — and I now put **AI agents to work across the whole delivery lifecycle**: generating and refactoring pipelines, finding and fixing vulnerabilities, hardening environments and red-teaming AI workloads.

SIGNATURE PROJECTS

- AI SecOps Scanner — built & operated:** continuously crawls live cloud environments, detects vulnerabilities and misconfigurations, and uses AI to propose fixes and remediate them directly (auto-generated fixes / pull requests). Shift-left meets runtime security.
- Enterprise AI platform on Microsoft Foundry:** multi-tenant platform for a battery manufacturer — onboarding as code, isolated per-team projects and GPT-5 / Claude deployments behind an AI Gateway (APIM) with model allow-lists, token quotas, cost allocation and kill switches; self-service owner portal; all Terraform, OIDC only, no secrets.
- AI agents & AI red teaming:** design and build of LLM agents for DevOps tasks; automated AI red teaming (prompt injection, jailbreaks, data leakage) with PyRIT / garak, wired into CI as a repeatable security gate.
- CI/CD platform migrations:** Jenkins → GitHub Actions, Azure DevOps → GitHub Actions, GitLab → GitHub Actions and Jenkins → Harness — reusable workflow templates, secrets & OIDC federation, runners, security gates; AI-assisted conversion and refactoring of pipelines for faster, safer cut-over.

CORE SKILLS

AI for DevOps & DevSecOps	Microsoft Foundry (Azure AI Foundry), Azure OpenAI, AI Gateway (APIM), LLM agents, agentic automation, AI red teaming (PyRIT, garak), GenAI security & guardrails
DevSecOps & Security	System, container, Kubernetes & cloud hardening, vulnerability management, SAST / SCA / IaC & secret scanning, supply-chain security, Azure Policy, Defender for Cloud, governance-as-code, Zero Trust
CI/CD & Platform	GitHub Actions, Azure DevOps, GitLab CI, Jenkins, Harness · migrations Jenkins / Azure DevOps / GitLab → GitHub Actions and Jenkins → Harness · reusable templates, self-hosted runners, OIDC, platform engineering
Infrastructure as Code	Terraform, Bicep, ARM templates, Ansible, Helm
Cloud	Azure (architecture, landing zones, networking, VPN, AKS, PaaS) · AWS (EC2, ECS, RDS, S3, Lambda, ELK) · GCP
Kubernetes & containers (5 yrs)	AKS, EKS, GKE, on-prem · Helm, Kustomize, Argo CD / Flux (GitOps) · NGINX ingress, cert-manager, External DNS · RBAC, Pod Security Standards, network policies (Calico / Cilium), Workload Identity, External Secrets / Key Vault CSI · HPA, KEDA, Cluster Autoscaler · Prometheus, Grafana, Loki · Trivy, Kyverno / OPA Gatekeeper, CIS benchmark hardening · cluster upgrades, troubleshooting, Docker
Programming & scripting	Python, PowerShell, Bash
Data platforms	Databricks, Azure Data Factory, Data Lake, Data Explorer, HDInsight, Kafka, Spark, Hadoop
Observability & OS	Azure Monitor, Log Analytics, Elasticsearch / Kibana · Linux RHEL & Debian (20 yrs)

CERTIFICATIONS & LANGUAGES

Microsoft Certified: DevOps Engineer Expert (AZ-400) · Azure Security Engineer Associate · Azure Administrator Associate · Azure Architect Technologies (AZ-303) · HashiCorp Terraform Associate · ITIL Foundation
Czech native · English fluent (C2/C1) · Russian fluent · German basic | Former professional ice-hockey referee

SELECTED EXPERIENCE

Škoda Auto

2026

Senior DevOps / DevSecOps Engineer (contract)

- Designed and built an enterprise AI platform on Microsoft Foundry for a group battery manufacturer: onboarding as code, AI Gateway (APIM) with per-project model allow-lists, token quotas, cost allocation and kill switches — all Terraform, OIDC only, no secrets
- Self-service portal for project owners: usage, cost, keys and chat scoped by Entra ID groups, on-behalf-of access to Key Vault and the gateway
- CI/CD modernisation with AI-assisted pipeline authoring; DevSecOps scanning and policy checks; Jenkins → Harness migration; Kubernetes with Helm, Terraform and Python

Stack: Microsoft Foundry, Azure API Management, Terraform, GitHub Actions, Harness, Kubernetes, Helm, Python

Ahold Delhaize (Albert)

2025

Senior DevOps Consultant (remote, contract)

- Operated and migrated the Databricks data platform to a new platform
- Built CI/CD pipelines for the enterprise platform in GitLab; supported data engineers with data pipelines
- Kubernetes operations: Helm chart development, scaffolding, upgrades and troubleshooting of production workloads

Stack: Databricks, GitLab CI, Kubernetes, Helm, Terraform, Python

Sanofi

2024

Senior DevOps Consultant (remote, contract)

- Developed CI/CD pipelines for the enterprise platform in GitHub Actions
- Designed and implemented GitHub governance-as-code automation for the whole platform

Novo Nordisk

2023

Azure DevOps Consultant (remote, contract)

- Developed and maintained CI/CD pipelines in Azure DevOps
- Maintained and troubleshooted the Azure platform for the StudyBuilder clinical-study project

DHL

2022

Senior DevOps Engineer (contract)

- Migration of CI/CD from Jenkins, Azure DevOps and GitLab to GitHub Actions — reusable workflow templates with built-in security scanning
- Deployment of containerised services to Kubernetes with Helm and GitOps; cluster operations and troubleshooting

Stack: GitHub Actions, Jenkins, Kubernetes, Helm, Terraform, Python

GreenFlux

2021

Azure DevOps Consultant (remote, contract)

- Implemented CI/CD in Azure DevOps — **30 % shorter deployment time**
- Terraform IaC on AWS improving scalability and reliability; Azure VPN for secure hybrid connectivity
- Log analytics with Elasticsearch & Kibana — **25 % faster troubleshooting**; monitoring with Azure Monitor

Stack: Azure, AWS, Terraform, Azure DevOps, ELK, PowerShell

Norsk Hydro

2020

Azure DevOps Consultant (remote, contract)

- Designed and built an Azure platform; developed CI/CD pipelines, APIs and PowerShell modules
- Automated provisioning and operations with Terraform and Ansible — robust, scalable platform

Earlier career

- **Linde Gas GDC 2018, 2020** · Azure Consultant — Azure platform build & baselines, on-prem → Azure migration, AKS, Terraform / ARM, monitoring standards
- **Tieto 2017 – 2018** · Azure Consultant — Azure integration, Terraform automation, Docker on AKS, on-prem → Azure migration
- **BNP Paribas PF 2015 – 2017** · App. Admin Specialist — CZ + SK technology merger, UNIX & middleware, first Azure implementation, ITIL processes
- **IBM GSDC Brno 2009 – 2011** · IT Specialist — WebSphere Portal & AS, Linux administration, Java debugging & developer support

Further engagements

Anglo American · Cloudeon · Recognize · The Unbelievable Machine Company · OMV Petrom · ČSOB (KBC) · Komerční banka (Société Générale)

Founder, NETWINGS SOLUTIONS (2004 – 2009): founded at 18, grew to 20 employees and 300+ delivered web / e-commerce projects, ran the Linux/UNIX/Windows infrastructure; sold to a private investor.