

Pavel Šidla

SENIOR INFRASTRUCTURE / PLATFORM ENGINEER

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PROFILE

Senior infrastructure engineer with 5+ years owning, designing and operating production platforms. Authored an accepted architecture design, led cross-team remediation, coordinated high-severity incidents and trained engineers on the infrastructure and monitoring stack. Experienced in Kubernetes, Terraform, GitOps and safe infrastructure migrations across AWS and Azure; combines complex platform work at Make with independent end-to-end infrastructure ownership in a part-time consulting role.

CORE EXPERTISE

Platforms: Kubernetes, AWS / EKS, Azure / AKS, Linux, Cilium / eBPF, Karpenter

Infrastructure: Terraform, Terragrunt, Atlantis, Helm, Argo CD, GitOps, Ansible

Engineering: GitHub Actions, GitLab CI, IAM / OIDC, Datadog, Grafana, Prometheus, Python, Go

Containers & edge: Docker, multi-arch builds (buildx), ECR / GHCR, Nginx, Traefik, cert-manager

Data: PostgreSQL, Redis, Elasticsearch

PROFESSIONAL EXPERIENCE

Senior Infrastructure Engineer · Make

Jan 2025 – Present

Full-time employment

- Authored the accepted architecture design for splitting a monolithic Terraform stack into versioned modules, implemented most of the modules and established safe migration patterns for production changes.
- Led a team through root-cause analysis of complex Kubernetes networking issues using reproducible tests and upstream source analysis; designed the cross-team remediation and lead its ongoing rollout.
- Own the production Cilium networking lifecycle and Karpenter compute operations on EKS, including controlled upgrades and systemic troubleshooting; trained the infrastructure team on Karpenter.
- Served as Incident Commander for multiple high-severity production incidents, coordinating investigation, impact assessment and communication across teams.
- Migrated critical platform services to Argo CD-managed Helm deployments without downtime, establishing reproducible GitOps workflows in place of legacy operational dependencies.
- Designed and ran disaster-recovery exercises for critical platform components, producing recovery runbooks and validating recovery readiness.
- Delivered staged security hardening and infrastructure changes across production EKS environments, coordinating dependencies and rollout without service disruption.

Staff DevOps Engineer · Edima Solution

Jul 2025 – Present

Part-time consulting

- Sole Infrastructure/DevOps Engineer owning the company's cloud infrastructure end to end across AWS and Azure: designed and built it independently and operate it for production reliability.
- Designed and executed a zero-downtime production migration from legacy infrastructure to a Terraform-managed AWS environment.
- Designed a reusable private-instance template that provisions a dedicated AWS account per customer with VPC, EKS and Karpenter, RDS, ElastiCache and central monitoring, with CI plans scoped to the affected tenant.

- Developed reusable infrastructure and deployment patterns, including shared Helm charts and CI/CD safeguards, for repeatable environment provisioning and more predictable releases.
- Built reusable Terraform modules for PostgreSQL (RDS, Azure Flexible Server) and Redis (ElastiCache) with read-replica support, Multi-AZ failover, automated backups, off-peak maintenance windows and engine-log shipping.
- Built and operate a self-hosted observability platform on Azure Kubernetes Service with Grafana, Loki, Mimir and Tempo, centralizing metrics, logs and traces.
- Trained developers on working with the infrastructure and monitoring stack, and wrote operational guides and runbooks, including alert response, Redis failover handling and VPN access.

DevOps Engineer · CookieLab

2022 – 2025

- Built reusable Helm and Terraform components, including release-recovery automation adopted by other engineers.
- Designed and delivered a pre-production EKS environment, separating shared Terraform resources and safely migrating Terraform state without recreating live production infrastructure.
- Carried out a major migration of production services from problematic Flux deployments to CI-driven Helm releases on shared EKS infrastructure, including the final infrastructure migration wave.

SRE / DevOps Engineer · Mallgroup

2021 – 2022

- Designed reusable Ansible automation for Elastic Stack, standardizing logging platform provisioning and using it for production upgrades.
- Migrated legacy services, including a PHP application, from VMs to the internal Kubernetes platform with Helm and GitLab CI, and built shared lint images used in other teams' pipelines.

DevOps / SRE Engineer · Freelance

Jan – Jul 2025

Part-time employment

- Implemented OIDC-based access to on-premises Kubernetes, added Prometheus/OpenTelemetry monitoring and automated operations with Ansible.

EARLIER EXPERIENCE

TietoEVRY — System Engineer (2020–2021): Azure infrastructure, operations and incident support.

GHH-BONATRANS — Junior System Engineer (2019–2020): server operations, backups and troubleshooting.

EDUCATION

Bachelor's degree · VSB – Technical University of Ostrava · 2012–2016

Languages: Czech (Native) · English (C1)