

Alper Devrim

DevOps Engineer | CNCF Kubestronaut

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PROFILE

CNCF Kubestronaut and DevOps Engineer with 4+ years across Linux systems engineering and cloud infrastructure, operating production Kubernetes platforms on AWS, Azure, Oracle Cloud and bare metal. Runs multi-tenant clusters serving enterprise SaaS customers, delivered a legacy-to-microservice migration for a regulated banking environment spanning a multi-cloud estate with cross-provider disaster recovery, and productised a complete application stack into a published AWS Marketplace appliance. Specialises in GitOps delivery with ArgoCD and Helm, policy-driven cluster security with Kyverno and HashiCorp Vault, and observability with Prometheus, Grafana and Alertmanager, backed by Terraform and Ansible automation.

SKILLS

Kubernetes — RKE2, OKD/OpenShift, AKS, EKS

Containers & Packaging — Docker, Helm, Kustomize

GitOps & CI/CD — ArgoCD, GitHub Actions, GitLab CI, Azure DevOps

Infrastructure as Code — Terraform, Ansible

Observability — Prometheus, Grafana, Alertmanager, ELK

Cluster Security — Kyverno, HashiCorp Vault, External Secrets Operator, RBAC

Cloud — AWS, Azure, Oracle Cloud (OCI), Huawei Cloud, Hetzner

Systems & Data — Linux (RHEL/Debian), PostgreSQL, MSSQL, Redis

Scripting — Python, Bash, YAML

EXPERIENCE

DevOps Engineer

11/2025 – Current

Raynet GmbH – Paderborn, Germany (Remote)

- Operate multi-tenant production Kubernetes clusters (RKE2, OKD/OpenShift) spanning 10+ nodes across Hetzner, AWS and Azure, hosting enterprise IT asset management and endpoint management SaaS products.
- Run a production CloudNativePG cluster serving tenant-isolated namespaces at scale; eliminated connection exhaustion incidents by redesigning PgBouncer session-mode pooling.
- Hardened clusters with a restrictive Kyverno admission baseline and centralised secret delivery via HashiCorp Vault + External Secrets Operator with RS256 JWT authentication.
- Built the OKD observability layer: alerting rules across infrastructure, database, GitOps and backup domains, wired to Alertmanager and a service that opens and resolves GitLab issues automatically.
- Delivered an MSSQL backup solution as a reusable Helm chart for OpenShift (ServiceAccount, Role, RoleBinding, ExternalSecret and CronJob templates) with edition-aware compression, streaming backups to Hetzner S3 storage.
- Migrated ArgoCD multi-source Applications to Helm chart v3, refactoring the values structure and moving secret delivery to ExternalSecret-based injection.
- Recovered a customer-hosted production environment after a failed platform upgrade: analysed Helm release drift against previous revisions and executed a layered rollback across data, identity, cache, application and frontend tiers.
- Hardened golden AMIs for public distribution: removed authorised keys and SSH host keys, reset cloud-init state, and sanitised journal and authentication logs so no build-time credentials or identity persisted into customer instances.
- Published and maintain an AMI-based server product on AWS Marketplace, handling scanner-account sharing with snapshot create-volume permissions, submission review and version replacement workflows.

DevOps Engineer

03/2025 – 11/2025

Bestcloudfor.me – Istanbul, Türkiye (Remote)

- Contributed, as part of a consultancy engagement, to a banking client's infrastructure modernisation programme, migrating legacy monolithic systems to a containerised microservice architecture with automated CI/CD and GitOps delivery.
- Operated the client's multi-cluster Kubernetes estate: a large-scale production cluster on Oracle Cloud Infrastructure, a cross-provider disaster recovery cluster on Huawei Cloud, and a dedicated control plane cluster running core platform applications.
- Built a two-node HAProxy and Keepalived external load balancer for an RKE2 cluster, fronting the Kubernetes API and ingress behind a virtual IP and carrying both north-south and east-west traffic.
- Automated operating-system security patching across 50+ servers with Ansible, generating remediation playbooks from Qualys vulnerability scan data and applying them through a single dynamic-inventory run.
- Implemented monitoring and logging with Prometheus, Grafana and the ELK stack, including AKS observability

dashboards in Azure Managed Grafana covering node inventory, resource utilisation, pod health, HTTP probe status and per-namespace HTTP traffic.

- Deployed stateful workloads on Kubernetes, including a Redis Sentinel high-availability setup, and resolved StorageClass and PVC binding failures that blocked persistent volumes from scheduling.

DevOps Engineer

03/2024 – 02/2025

Sensey – Delft, Netherlands (Remote)

- Designed a language-aware CI/CD pipeline that detected each service's runtime stack and selected the matching build, test and deployment path, delivering a seven-microservice application through a single shared pipeline definition.
- Designed, deployed and managed Azure cloud infrastructure for production application workloads.
- Deployed and operated the containerised microservices on Kubernetes, packaging releases with Docker and Helm.
- Integrated source control, work tracking and release automation in Azure DevOps as a single delivery workflow.
- Implemented Prometheus and Grafana monitoring for real-time metrics and system visibility.

Linux System Support (Part-time)

12/2023 – Current

Anabiltek – Sivas, Turkiye (Remote)

- Provide ongoing Linux system administration, performance tuning and reliability improvements for production environments.

Freelance System Specialist & DevOps Engineer

01/2022 – 03/2024

Freelance – Remote

- Provided end-to-end Linux system administration for long-term clients, covering provisioning, hardening, performance tuning and incident response.
- Containerised client workloads and introduced automated deployment pipelines in place of manual release processes.
- Designed and implemented project-specific infrastructure, including monitoring, alerting, backup and recovery routines.
- Diagnosed and resolved complex system, network and integration issues across mixed hardware and software environments.

IT Officer

01/2022 – 08/2022

AET Electronics – Sivas, Turkiye

- Maintained IT infrastructure across hardware, software and network layers for a manufacturing site, ensuring uninterrupted daily operations.
- Applied security controls to protect company data and IT assets, and resolved end-user technical issues.

CERTIFICATIONS

• OTCA: OpenTelemetry Certified Associate	08/2026
• ICA: Istio Certified Associate	08/2026
• CBA: Certified Backstage Associate	08/2026
• KCA: Kyverno Certified Associate	07/2026
• PCA: Prometheus Certified Associate	12/2025
• CAPA: Certified Argo Project Associate	12/2025
• CGOA: Certified GitOps Associate	12/2025
• CNPA: Certified Cloud Native Platform Engineering Associate	12/2025
• AWS Certified Solutions Architect – Associate	08/2025
• AWS Certified Cloud Practitioner	06/2025
• CNCF Kubestronaut	02/2025
• CKS: Certified Kubernetes Security Specialist	02/2025
• KCSA: Kubernetes and Cloud Native Security Associate	02/2025
• KCNA: Kubernetes and Cloud Native Associate	02/2025
• CKAD: Certified Kubernetes Application Developer	01/2025
• CKA: Certified Kubernetes Administrator	08/2024
• Microsoft Certified: Azure Fundamentals	05/2024

EDUCATION

Bachelor's Degree: Computer Engineering

08/2025

Cumhuriyet University – Sivas, Turkiye

Associate Degree: Computer Programming

06/2021

Eskisehir Technical University – Eskisehir, Turkiye

LANGUAGES

Turkish — Native • English — Professional Working