Petro Diachenko

PeterD | +491759593594 | mehanic2000@gmail.com | https://github.com/mehanic

SRE, Platform Engineer, DevOps

5x Kubernetes certified (CKA, CKAD, CKS, KSCA, KCNA)|
2x Hashicorp Stack certified(Vault, Consul|
linux fundation certified: LFCS | Golang coding

About

My professional journey spans across various industries in the Ukraine and EU, including infrastructure, marketing, finance , security, bare metall et cetera. Ten years of hands-on experience enable me to deliver robust solutions that meet the needs of modern business. Combine SRE with Golang for Kubernetes controllers and operators (kubebuilder)

Skills

- Linux (Debian/Red Hat based) , AWS, GCP, Terraform, Packer, Consul , Vault, Ansible,
- Kubernetes, Helm, Crossplane, Cilium, OpenTelemetry, ArgoCD, Gitlab/Github Actions, Jenkins
- Golang, Serverless, Kafka
- InfluxDB, MongoDB
- MySQL, PostgreSQL
- Prometheus Stack, ELK Stack, Tick Stack (InfluxDB, Telegraf, Kapacitor, Chronograf/Grafana)

Experience

NDA, contract, US **SRE / Security Engineer**
Aug/2024 – Dec/2024

- Provisioned infrastructure with Terraform for AWS project to achieve full infra state as IaC
- Implemented HashiCorp Vault to securely store database credentials and tokens to integrate it with AWS IAM for authentication and access control and audit
- Properly set up a centralized, secure, and auditable system for managing secrets, significantly reducing the risk of credential leakage. Improved operational security and simplified secret rotation.

Infosys, short-contract, US **SRE**
Mar/2024 - Aug/2024

- Optimized Kafka data stream consumption and production by fine-tuning broker configurations, which allowed to increase throughoutput.
- Integrated Datadog and configured dashboards to monitor key metrics like consumer lag, throughput, and broker health for advanced observability and possible bottleneck detections.
- Collected detailed Kafka metrics via Prometheus exporters, relaying them to Datadog for real-time big data analytics.
- Collaborated with on-call teams to configure PagerDuty notifications and participated in establishing robust Kafka data streaming pipelines, which allowed to decrease false-positive alerts 2 times
- Enabled proactive issue detection and faster incident response through improved observability and alerting. Enhanced the system's scalability and operational transparency

GlobalLogic, full-time **SRE**
Feb/2021 – Apr/2024
Cybersecurity project

- Set up monitoring of Linux processes using Datadog, Grafana, and Prometheus Push Gateway, including integration with Kafka StatefulSets to catch CPU/memory load before a process crashes, it is early problem detection.
- Updated and refactored Ansible playbooks (v2.7 to 2.12) for provisioning Kubernetes clusters with kubespray on bare metal.
- To ensure ensuring traceability and version control, managed Java build artifacts and their retention in Artifactory.
- Implemented HashiCorp Consul backup strategy to shorten disaster recovery time when should rollback .
- Deployed and managed the ELK stack (Elasticsearch, Logstash, Kibana) with Filebeat, enabling logging and real-time analysis of data from mobile device sensors, which allowed to be ready for increased SLOs.

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N-iX , Full-time **DevOps**
Mar/2022 – Jan/2023
Finance project

• Created Terraform, Ansible, and Packer modules to provision and manage AWS resources (SQS, SNS, CloudWatch, IAM, S3, EC2, ELB/ALB, ASG, Route53, RDS) and Google Cloud GKE clusters, which allowed to achive full IaC/or GitOps approach/ Reduced configuration drift, accelerated deployment cycles, and enhanced visibility across all clusters and services.
• Operated Kubernetes clusters on EKS and GKE, authored Helm charts, and supported OpenShift environments, deploying applications using templates and GitLab CI pipelines.
• Installed and configured TICK (Telegraf, InfluxDB, Chronograf, Kapacitor) and Prometheus stacks for unified infrastructure monitoring, which allowed to catch bottleneck, achieve increased SLO etc.
• Set up Azure Kubernetes Service (AKS) native monitoring tools and consolidated metrics/logs for all Kubernetes services into a centralized monitoring system.
• Enabled a secure, scalable, and observable infrastructure across multiple cloud providers. Successfully implemented end-to-end monitoring with redundancy using TICK and Prometheus metric to control infrastucture.

Intellias, **DevOps**
Sep/2016 – Mar/2019
ML project

• Wrote Terraform modules and Ansible playbooks to deploy and manage applications on Google Cloud.
• Worked with Kubernetes and OpenShift platforms for container orchestration and application deployments.
• Configured an Nginx-based video streaming server to monitor live feeds from security cameras.
• Built GitLabCI pipelines and Jenkins pipelines to achieve fully automated build and deployment workflows.
• Deployed infrastructure on AWS using a combination of Terraform and Ansible, including services such as VPC, EC2, S3, Endpoints, SQS for a machine learning ML video recognition project targeting Java developers.
• Set up and configured the ELK stack (Elasticsearch, Logstash, Kibana) for centralized logging and real-time analytics, collecting logs from machine learning (ML) video processing systems..