

PETR DONDUKOV

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DEVOPS ENGINEER | MLOPS ENGINEER

Challenge me! As a Senior DevOps Engineer with over 20 years of IT experience cover the full range of services and management to support medium and enterprise level companies. My usual focus are companies that have collected significant infrastructure tech debt and are ready to do what it takes to make the pain go away. I work to improve the flow from business to customer, enhance the feedback loop, and then promote a culture of continuous improvement and learning. I call myself an IT-adept, I like big and complex tasks. I aim to work with high load projects and AI. Authorized to work in the US without Visa Sponsorship.

TECHNICAL SUMMARY

- ML: Seldon Core, Knative, KServe, Kubeflow (deployKF with ArgoCD)
- IaC/Scripting: Terraform/OpenTofu, Terragrunt, Atmos, Ansible, Bash, Python
- Clouds: Azure, AWS, GCP, OpenStack
- DevOps tools: Docker, Kubernetes, Rancher, Helm, GitLab-CI, ArgoCD, GitOps (Atlantis)
- Queue systems/Databases: RabbitMQ, Kafka, Redis, MongoDB, PostgreSQL, MySQL, MSSQL
- Monitoring: Prometheus, Victoria Metrics, Grafana
- Logging/Tracing: ElasticSearch, OpenSearch, OpenTelemetry, Jaeger, Data Prepper
- Service Mesh/Networks: Istio, OpenZiti Zero Trust. Routers Cisco, Juniper, Ubiquiti, MikroTik
- OS: FreeBSD, Linux (Gentoo, Debian, Ubuntu), Windows Server
- Storage: Ceph, MinIO, S3 API compatible (s3proxy, BackBlaze), Azure Blob

PROFESSIONAL EXPERIENCE

Invent

Wilmington, DE, US

Senior DevOps Engineer / MLOps Engineer

Nov 2022 - Present

- Completely redesigned the company's architecture, introduced an Infrastructure as Code approach, and built Terraform/OpenTofu modules with Terragrunt/Cloudposse Atmos frameworks from scratch. As a result, the speed of environment deployment increased 48 times, reducing the process from 3-4 days to just 1-2 hours.
- Implemented a research-oriented machine learning workflow using Seldon Core and Kubeflow (deployKF with ArgoCD). Then migrated from Seldon Core to Knative and KServe.
- Implemented a Zero trust network for the machine learning platform with OpenZiti and Service Mesh with Istio, enabling end-to-end mTLS and fine-grained RBAC, which cut lateral-movement risk and provided ease of development.
- Replaced Datadog with an opensource observability stack comprising Victoria Metrics, Grafana, OpenSearch, OpenTelemetry, Jaeger and Data Prepper, reducing annual monitoring, logging, and tracing costs by \$200K.
- Optimized Azure spend by rightsizing resources, applying reserved and spot instances, and eliminating idle workloads, cutting annual costs by more than \$120K.

Chainstack

Singapore

Site Reliability Engineer

Feb 2022 - Nov 2022

- Maintained the reliability of hundreds of blockchain client nodes in a multi-tenant, multi-cloud container environment, applying SRE best practices to keep uptime above 99.95%.
- Maintained Kubernetes services for 20+ clusters and hundreds of nodes, including certificate and IP address management for 100K+ ingress endpoints, policy admission controllers, etc.
- Refactored more than 60% of legacy Terraform/Terragrunt into reusable modules, tripling plan/apply speed.

AMAI (AI Interaction Corp)

Mountain View, CA, US

DevOps Engineer / MLOps Engineer

Jun 2020 - Feb 2022

- Designed and built a highly scalable text-to-speech inference platform capable of handling over 100K requests per second by implementing RabbitMQ sharding, developing custom HPAs with Prometheus Adapter and configuring Cluster Autoscaler with GPU nodes in Kubernetes clusters.
- Implemented federated Prometheus and Grafana with long-term storage, unifying metrics from Kubernetes clusters. On-call MTTR dropped by 45% thanks to real-time, cross-cluster dashboards and alerting.
- Implemented a GitLab CI/CD pipeline on Kubernetes with Helm, enabling trunk-based development. As a result, the median lead-time for changes was reduced from 6 hours to 30 minutes, and teams began shipping over 20 production releases per day.

C-Cars

DevOps Engineer

- Implemented a GitLab CI/CD pipeline on Kubernetes, automating build, test and blue-green deployments for 200+ microservices; release lead-time fell from 1 day to under 15 minutes, and rollbacks became a single-click action.
- Built a 3-node PostgreSQL cluster with Patroni and etcd, delivering 99.95% uptime, zero data loss on failover and a 2x boost in read throughput for analytics.
- Introduced a Kafka event bus with ZooKeeper, enabling real-time, decoupled communication; the platform now processes 4 million messages daily with latency below 50 ms.
- Centralised observability via EFK, Prometheus and Grafana, aggregating logs from 600+ containers. MTTR (mean time to repair) dropped by 40%, and support now resolves 50% of tickets without escalation.
- Adopted Infrastructure as Code using Terraform and Ansible on Azure, shrinking environment provisioning from hours to under 10 minutes and trimming cloud expenses by 20% through automated right-sizing.

Vojvodina, Serbia

Mar 2019 - Apr 2020

Various Companies

System Administrator -> Chief of IT Division -> CTO -> CEO

From System Administrator to Founder & CEO: 18 years of building and scaling IT infrastructures, ISPs, and system-integration businesses with proven financial and operational impact.

Ulan-Ude, Russia

Feb 2001 - Mar 2019

Strategy & P&L · Digital Transformation · 24/7 IT Services · ISP / Telecom Core · CCTV & Physical Security · Cloud & AI Video Analytics · VoIP / SIP / H.323 · MPLS / VLAN / Fiber · Linux / FreeBSD / Windows Server · Cisco / MikroTik / D-Link · Zabbix · CRM / ERP (vTiger, 1C, Bitrix24) · ITSM / ServiceDesk · Vendor & Contract Negotiation · Team Leadership (up to 40 FTE)

EDUCATION

East Siberian State Technological University, Ulan-Ude, Russia

Master's degree, Engineer of electronic systems

Sep 1999 - Jun 2004