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Senior Software Engineer with over 7 years of experience specializing in DevOps and MLOps. Proven expertise in Linux and cloud technologies including AWS, GCP, Kubernetes. Passionate about driving change and promoting transparency, committed to improving developer experience and tooling.

Skillset:

- Cloud: Proficient with k8s, Terraform, GCP, AWS, CI/CD, observability and microservice patterns.
- Collaboration: Experience in agile projects, strong culture of writing things down, clear and proactive communication.
- Generalist Developer: Expertise building Python and Go applications, frontend development, DevOps and MLOps workflows, working with data pipelines and streaming.

Experience:

December 2024 - Present SURF

Amsterdam, Netherlands

DevOps / Infrastructure Engineer (HPC)

- Developing a unified API layer for VM provisioning in HPC OpenStack clusters, AWS and Azure
- Implementing landing zone, environment separation and security practices in EKS
- Maintaining Linux and Windows OS images with Packer and Ansible

July 2023 - December 2024 Dexter Energy

Amsterdam, Netherlands

MLOps Engineer

- Providing the data & compute platform for machine learning pipelines, including CI/CD, storage, configuration and model monitoring.
- Managing stakeholder relations and cross-team efforts between data scientists, backend and DevOps teams.
- Maintaining reliability of distributed ML workloads in Kubernetes, Airflow, Composer on GCP.
- Developing real-time market data ingestion for ML-based energy forecasting, ensuring SLAs for data quality and frequency.
- Optimizing cluster resource usage, cost and speed, improving developer experience.

July 2022 - July 2023 Reaktor

Amsterdam, Netherlands

Platform Engineer

- Developed comprehensive Infrastructure as Code (IaC) modules using Terraform and CI tools, including dashboards, automating infrastructure and application deployment.
- Built an internal developer platform based on Spotify Backstage, accelerating developer onboarding and improving app excellence scores.
- Improved API stability by implementing observability patterns with Datadog and introducing an API gateway.

December 2020 - May 2022 SberDevices

Moscow, Russia

Lead DevOps Engineer / SRE (IoT)

- Provisioned and debugged multi-DC clusters for 50+ microservices (Terraform, Nomad, Ansible)
- Built and maintained an observability platform with open-source components (Grafana, Loki, Jaeger, Prometheus)
- Developed in-house CI/CD and automation tools (Go, Python, React, GH Actions)
- Developed software to handle rollover of 200.000 WebSocket connections (nginx, docker)
- Maintained cluster availability and performance (MongoDB, docker, k8s)

October 2017 - November 2020 CJSC BIOCAD

Saint Petersburg, Russia

Software Engineer, Release Engineer (Biotech)

- Full stack & backend development (go, python, postgres, ts, next.js, redux-saga, antd)
- Deployment automation & Release Engineering (ansible, kubernetes, helm, Gitlab CI, node.js)
- Data collection, light ETL and data visualization (python, flask, plotly, pandas)
- Binary file format reverse engineering (kaitai, IDA, ghidra, c)

Education: September 2010 - December 2015 MSc Biochemistry (Saint Petersburg University, Russia)

Keywords:

Infra: Linux, GCP, AWS, Terraform, Kubernetes, SRE, Airflow, Kubeflow

DevOps: GitLab CI, Docker, Bash, Vault, Ansible, Nginx, OAuth, Redis

Software: Python, Pandas, Polars, Go, Node.js, SQL, React, TypeScript