

Kristina Pianykh

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Skills

Programming Languages: Go, Python, Java, C, Lua, SQL

Frameworks & Libraries: FastAPI, HTMX, PySpark, Apache Flink, Kafka, Siddhi, Pandas, Polars

Tools & Technologies: GNU/Linux (I use Arch Linux btw), Neovim, Git, ArgoCD, IaC, Terraform, Helm, Kubernetes, Docker, Bash, DataDog, GitHub Actions

Cloud Platforms: AWS, Azure, GCP

Languages: Russian (native), English (fluent), German (proficient)

Experience

Platform Engineer

Berlin, Germany

Since 04/2025

Flink

- Built an internal distributed load-testing platform on Kubernetes, enabling realistic in-cluster HTTP/gRPC simulations, latency tracking against SLOs, and early performance issue detection. Integrated an HTMX-based web UI into the existing Flask portal for seamless test configuration and execution.
- Implemented centralized Kubernetes resource governance to ensure fair allocation, consistent performance, and isolation from noisy neighbours.
- Introduced an IaC-based opt-out option for standby node provisioning in Kubernetes, cutting production costs by up to €4,000/year.
- Facilitated cross-team incident review meetings under the *Keep the Lights On* initiative, coordinating postmortems, follow-ups, and knowledge sharing to strengthen reliability, observability, and a blame-free engineering culture.

Data Engineer and Cloud Architect

Berlin, Germany

10/2022 – 11/2024

Diconium

- Built multi-component ETL data pipelines in Azure Data Factory using Databricks for data transformation
- Optimized the costs of the CI/CD pipeline on GitHub by setting up cache, leading to a 90% decrease in billable time.
- Improved the system security by building an automatic key rotation and notification mechanism on AWS.
- Single-handedly architected and built a secure, resilient and scalable infrastructure on Azure for hosting a chatbot application; implemented a CI/CD pipeline on GitHub and then BitBucket.
- Defined coding and formatting standards for cooperative development to facilitate rapid iterations and focus on business needs.
- Built a mock data generation service with varying traffic rates for load testing.

Data Acquisition Engineer

Berlin, Germany

10/2021 – 09/2022

Delphai (acquired by Intapp)

- Built automated scripts for extracting and parsing web data, deployed within a containerized environment.
- Designed APIs to integrate with MongoDB and gRPCs microservices.
- Built a REST API using Azure Functions and FastAPI.
- Optimized the data processing pipelines powered with Apache Kafka.

Education

Computer Science B.Sc.

Berlin, Germany

10/2020 – 11/2024

Humboldt University of Berlin

Projects

- [UNIX Shell](#) in Go.
- [Distributed system](#) for complex event processing based on Apache Flink in Java and featuring system adaptivity to fluctuations in input data rates.
- [Distributed IoT sensor and complex event processing](#) in a Raspberry Pi cluster using FastAPI for network communication, Siddhi for real-time data streaming and Docker Compose for deployment.
- [CPU emulator](#) in C with RISC-V instruction set.
- [UNIX CLI tools](#) (zip, grep, cat, etc); [bootloader](#).
- [Distributed entity resolution](#) using PySpark and Docker Compose.
- [Hash collisions in Diffie-Hellman key exchange](#) using Rust.

Certificates

- [AWS Certified Solutions Architect – Associate](#)
- [HashiCorp Certified: Terraform Associate \(003\)](#)