Jora Troosh

✉ Email | ✈ Telegram | ⬡ GitHub | 🐘 Mastodon | 💬 Discourse

Open to remote developer positions, especially working on cloud infrastructure.

Experience

Cloud Software Engineer (Python/Rust/SQL)
STABL Energy · Part-time
January — March 2023 (3 months)
Munich, Germany · Hybrid

➤ Set up automatic generation of custom Grafana dashboards.
➤ Created a Rust client for sending log streams to Grafana Loki.
➤ Migrated +20 GiB of IoT sensor data from AWS Timestream to InfluxDB.
➤ Configured custom CI pipelines for testing and linting Python and Rust codebases.
➤ Flashed +10 ESP32-S2 edge devices using the in-house bootstrap software and CP210x driver.
➤ Constructed efficient FluxQL queries for automatic cleanup, backup and recovery of InfluxDB data.

Deep Learning Engineer (Python/C++/CUDA)
Phygitalism · Full-time
October 2021 — April 2022 (7 months)
Moscow, Russia · Hybrid

➤ Adapted and deployed RIFE and AdaAttN models as web services using Docker and RabbitMQ.
➤ Compared neural and differentiable renderers and wrote blog posts reviewing the recent papers.
➤ Implemented a point cloud boundary detection algorithm from a scientific publication in Python.
➤ Performed pre-processing, analysis and visualization of point cloud data from road LIDAR scans.
➤ Tested the NeRF model from the InstantNGP project and contributed with a Dev Container setup.
➤ Contributed to a data processing pipeline for training the Point Transformer model on road signs.
➤ Developed a mesh reconstruction pipeline for in-door point cloud scans with the CGAL C++ library.

Education

M.Sc. Informatics (Academic Exchange)
Technical University of Munich · Full-time
October 2022 — March 2023 (6 months)
Munich, Germany · On-site

Courses: Software Engineering Patterns | Distributed Systems | Virtualization Methods

M.Sc. Computer Science and Applied Mathematics
Moscow Aviation Institute · Part-time
September 2021 — August 2023 (2 years)
Moscow, Russia · Hybrid

Courses: Architecture of Highload Services | Backend Development | Parallel Computing

B.Sc. Economics and Business
Higher School of Economics · Full-time
September 2016 — August 2020 (4 years)
Saint Petersburg, Russia · On-site

Courses: Data Science | Statistical analysis | Economic Theory | Econometrics

Projects

Spin
⬡ tensorush/zig-spin
August 9, 2023 — May 1, 2024
In development

Zig SDK for Spin, a serverless application framework, created by the Fermyon team.

Meduza
⬡ tensorush/meduza
July 21, 2023 — May 6, 2024
On maintenance

Zig codebase graph generator that emits a Mermaid class diagram.

Githunt
⬡ tensorush/githunt
August 4, 2023 — January 7, 2024
On maintenance

Multi-threaded Hacker News feed that only contains GitHub posts.

Zigzag
⬡ tensorush/zigzag
January 16, 2022 — February 1, 2024
On maintenance

Multi-threaded CPU path tracer.

Skills

Technologies ∞ Go | ⚡ Zig | ❄ Nix | 🗄 PostgreSQL | 🐳 Docker | 📈 Grafana | 🐧 Linux | ⬡ GitHub

Languages English (fluent) | Russian (native)