



Jora Troosh

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





Experience

-  **Cloud Software Engineer (Python/Rust/SQL)** January – March 2023 (3 months)
STABL Energy · Part-time 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)** October 2021 – April 2022 (7 months)
Phygitalism · Full-time 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)** October 2022 – March 2023 (6 months)
Technical University of Munich · Full-time Munich, Germany · On-site
- Courses: Software Engineering Patterns | Distributed Systems | Virtualization Methods
-  **M.Sc. Computer Science and Applied Mathematics** September 2021 – August 2023 (2 years)
Moscow Aviation Institute · Part-time Moscow, Russia · Hybrid
- Courses: Architecture of Highload Services | Backend Development | Parallel Computing
-  **B.Sc. Economics and Business** September 2016 – August 2020 (4 years)
Higher School of Economics · Full-time Saint Petersburg, Russia · On-site
- Courses: Data Science | Statistical analysis | Economic Theory | Econometrics

Projects

-  **Spin** August 9, 2023 – April 26, 2024
[🔗 tensorush/zig-spin](#) In development
- Zig SDK for Spin, a serverless application framework, created by the Fermion team.
-  **Meduza** July 21, 2023 – March 11, 2024
[🔗 tensorush/meduza](#) On maintenance
- Zig codebase graph generator that emits a Mermaid class diagram.
-  **Githunt** August 4, 2023 – January 7, 2024
[🔗 tensorush/githunt](#) On maintenance
- Multi-threaded Hacker News feed that only contains GitHub posts.
-  **Zigzag** January 16, 2022 – February 1, 2024
[🔗 tensorush/zigzag](#) On maintenance
- Multi-threaded CPU path tracer.

Skills

Technologies [🔄 Go](#) | [⚡ Zig](#) | [❄️ Nix](#) | [🗄️ PostgreSQL](#) | [🐳 Docker](#) | [📊 Grafana](#) | [🐧 Linux](#) | [🐙 GitHub](#)

Languages English (fluent) | Russian (native)