

Roman Zavodskikh

SOFTWARE DEVELOPER

Berlin, Germany, have German permanent residence permint (NE); ready to relocate, but may need visa support

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Skills

Programming Python, Golang, JavaScript, C

DevOps Kubernetes, AWS, Linux, Git, Docker Compose, Helm, GitHub Actions

Data Analysis PostgreSQL, SQL, Hadoop, PySpark, AirFlow, Tableau, MongoDB, Clickhouse

Distributed Systems Concurrency/Multithreading, Load Balancing, API design, File Systems

Languages Russian (native), English (C1), German (B1)

Experience

Software Developer; Neon *Full remote from Berlin, Germany*

Dec. 2024 - present

- Created an separate service to split billing-related scheduled jobs to isolate their failure domain increasing billing processing reliability
- Stack: Golang, Python, Kubernetes, Helm

Software Developer; Zalando SE *Berlin, Germany*

Aug. 2022 - Dec. 2024

- Led an epic to implement Passive Health Check, enhancing service availability for Skipper: Kubernetes Ingress Controller used by ~4000 services
- Initiated several improvements in the fabric gateway, API gateway based on Skipper, which is used by ~400 applications: east-west routing, hostname validation, rate limiter, end-to-end tests capability
- Generated a report on misconfigured fabric gateways in Zalando clusters and initiated user communication, leading to a 61% decrease in problematic gateways
- Stack: Golang, Kubernetes

Data Analyst; MTS (Mobile TeleSystems) Big Data *Moscow, Russian Federation*

Feb. 2021 - Aug. 2022

- Investigated a business rule that increased the number of blocked spammers per day and the blocking speed by 80%, according to Tableau dashboard, through analysis of unanswered calls' data
- Created 10 dashboards, decreased time of hypotheses tests from ~8 hours to ~30 minutes
- Supported creation of new ETL process, which improved the model's precision from 0.92 to 0.99 at 10%-precision level
- Blocked 10% of potential spammers by analysis of model's ROC curve and SHAP values, leading latency decrease from 1+ week to 1 day.
- Stack: Python, PySpark, Hadoop, SQL, AirFlow, Tableau, PostgreSQL, Clickhouse

Software Developer; Acronis *Moscow, Russian Federation*

Nov. 2017 - Feb. 2021

- Developed and delivered Power of 2 choices feature that improved load balancing between clients as evidenced with Grafana dashboards
- Decrated handshake time in a data transfer protocol by 50%
- Developed data replication feature that doubled the reliability of data storage
- Assisted in teaching a one-semester file systems course for bachelor students
- Contributed to the development of the Acronis design system by creating JavaScript and CSS code for ~10 essential design components: buttons, checkboxes, etc.
- Stack: C, Docker, Docker Compose, JavaScript, Vue.js

Software Developer; RusAgro *Moscow, Russian Federation*

Feb. 2018 - Oct. 2018

- Built 2 services from the ground up for logistics optimization and analysis of agriculture machines' tracks, deployed them in AirFlow DAGs
- Stack: Python, AirFlow

Software Developer Intern; Samsung RnD Center *Moscow, Russian Federation*

Jul. 2017 - Aug. 2017

- Assisted my lead in measuring the performance of Tizen OS applications by developing a Jenkins plugin for creating flame graphs
- Stack: Java

Education

Additional Education; MADE Big Data Academy *Moscow, Russian Federation*

Sep. 2020 - Dec. 2021

- The one of the most selective additional education program: 50% dropout rate
- Algorithms, ML, Big Data (SQL, Hadoop, PySpark)

B.S + M.S. in Applied Maths and Physics; MIPT(Moscow Institute of Physics and Technology) *Moscow,*

Russian Federation

Sep. 2014 - Jun. 2018,

Sep. 2018 - Jun. 2020

- Computer Science: Algorithms and Data Structures, File Systems, System Programming, Software Architecture, Networks
- Maths and Physics; Studied under government scholarship