Ruslan Sirazhetdinov

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EXPERIENCE

Senior Software Development Engineer Aviasales   2024—Present

I develop backend part of ML-Platform for training, inference and monitoring of various machine learning models and frameworks such as time series forecasting, classification, scoring and recommender systems. I enhanced the ML Platform configuration engine, reducing time-to-market for new models. I developed the architecture for a new forecasting service and led the implementation of the project from conception to production deployment. I worked closely with clients to understand business requirements and focused on key business metrics critical to company success, successfully bringing the service to production.

Senior Software Development Engineer Artificial Intelligence Center   2021—2024

I enhanced scalability, resilience and fault-tolerance in high-load dialogue systems for voice and chat personal assistants. I brought research prototypes to industrial-scale systems following DDD, TDD, SOLID, and Clean Architecture practices. I improved system controllability with automated CI/CD processes and increased observability using Prometheus and Grafana. I designed distributed services using REST, RPC and event-driven architectures, created ML inference backends with Torchserve and Triton, and designed A/B tests with data analytics for results.

I enhanced asyncio and threading workloads with memoization algorithms, reducing timeouts from **3%** to **0.05%**. I achieved a **28%** reduction in time-to-market for an intelligent assistant by optimizing scenario development in my master's thesis. I investigated and eliminated HTTP protocol errors affecting **10,000** client dialogues weekly and updated legacy solutions to increase ML-model inference server capacity by **2x** using the same resources.

I completed bachelor's and master's degrees with honors while working full-time. I facilitated cross-team collaboration through knowledge sharing and presentations, participated in university events promoting company educational programs, and mentored 2 entry-level team members to mid-level specialists.

EDUCATION

Masters, Moscow Institute of Physics and Technology   *(Honors Diploma) GPA: 9.6/10*   2022—2024

I studied following courses: ML, DL, NLP, RL, RecSys, BigData, SDE, SRE. I defended my master's thesis and researched development of scenarios for industrial-scale dialogue systems.

Bachelors, Ural Federal University   *GPA: 4.3/5*   2018—2022

Studied the field of "Fundamental informatics and information technologies" courses: Algorithms and data structures, Operational systems, Industrial-scale development, Computer vision, Assembly, Microcontrollers. Defended bachelors thesis in application of pseudo-labeled data to solve the problem of semantic segmentation of buildings in aerial photographs.

SKILLS

Python ● FastAPI ● Pydantic ● TCP/HTTP ● gRPC ● Redis ● Kafka ● Postgres ● Elasticsearch ● NLP ● PyTorch ● Triton ● LLM ● LangChain ● CI/CD ● Docker ● K8S ● Prometheus ● MapReduce ● Hadoop ● PySpark ● Wireshark

I can think outside the box and work under tight deadlines raising team spirit. I take responsibility, focus on leadership and collaboration. I speak English fluently at C1 level.

ACTIVITIES

Developed an opensource library for Tinkoff Investments github/invest-python
Developed an API for a dialog system with microservice architecture and model inference github/bacapibara
Developed http server according to specification over tcp sockets github/httpserver
Researched the influence of news on quotes using reinforcement learning github/stonks
Conducted seminars on the ML course for MIPT masters tbank/academy
Conducted interviews for Python positions tbank/python
Presented at showreel days tbank/mipt
I am a professional sailing athlete and a snowkite freestyle world champion msrfinfo