

Vitalii Fuglaev, Senior Software Engineer

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PROFILE

Senior Software Engineer / Tech Lead with **6 years** of experience building scalable backend and platform services across ML, data, and retail domains. Led architecture and delivery of high-throughput services, including workflow orchestration, platform integrations, analytics APIs, and event-driven systems. Strong in distributed systems, API design, service decomposition, observability, and CI/CD, with experience mentoring engineers and aligning technical solutions across cross-functional teams.

EMPLOYMENT HISTORY

Mar 2023 – Present	Senior Software Engineer (Tech Lead), T-Bank	Remote
	<p>Architected a Background Job Execution Service: Led the design and implementation of a pipeline execution service for an AutoML Platform. The service orchestrates data processing, ML training, and prediction pipelines, supporting over 30,000 pipeline executions per day.</p> <p>Led Platform Integration Tooling: Designed and delivered an integration API, Python SDK, and MCP-based server, enabling users to embed AutoML Platform interactions into their workflows. The API processes over 50,000 requests per day.</p> <p>Built a Time-Series Analytics API: Developed an API supporting aggregation, historical analysis, and retrospective comparisons for time-series data, handling over 10,000 requests per day.</p> <p>Decomposed a Legacy Monolith into Microservices: Defined clear service boundaries, extracted shared components, and moved away from shared/utility databases toward service-owned storage and explicit integrations.</p> <p>Standardized ML Team Integration Contracts: Created unified integration contracts for ML teams covering configuration schemas, runtime parameters, quality metrics, and standardized user-facing error handling and semantics.</p> <p>Mentored Interns and Delivered Technical Seminars: Mentored three interns and conducted technical seminars over one academic semester. All three interns successfully transitioned into junior developer roles.</p> <p>Technology Stack: Python • FastAPI • SQLAlchemy • Celery • Airflow • Pandas • Kafka • RabbitMQ • Redis • ClickHouse • PostgreSQL • Kubernetes • Helm • AWS • Grafana.</p>	
Sept 2021 – Mar 2023	Senior Software Engineer, M.Video-Eldorado	Remote
	<p>Built a Personalized Sales Service: Led the design and implementation of a service that calculates personalized sales offers based on customer purchase history. The service processes over 100,000 purchase and return events per day and provides an API for retrieving personalized offers by user and SKU type, handling over 400,000 requests per day.</p> <p>Delivered a QR Code Price Tag Service: Built a service that generates QR codes for retail price tags, making it easier for customers to access product details, check availability of non-display units, compare products, and place in-store orders. The feature also enabled analysis of in-store customer behavior and engagement across promotional campaigns, contributing to a CSAT increase from 4.1 to 4.5.</p> <p>Optimized CI Pipeline Runtime: Introduced layer caching and parallel pipeline stages, reducing typical CI runtime from 35 minutes to 7 minutes.</p> <p>Partnered with Analytics and Product Teams: Worked closely with five analytics and product teams, contributed to weekly planning and status meetings, clarified requirements, and communicated technical progress.</p>	

Technology Stack: Python • FastAPI • Celery • Kafka • Redis • PostgreSQL • GitLab CI.

Jun 2020 – Sept 2021

Software Engineer, Yandex

Moscow

Built an E2E Automation Framework: Developed and maintained a Python-based end-to-end automation framework for validating Yandex Station voice scenarios, covering over 300 critical user flows.

Built Voice Scenario Testing Tools: Developed Python tools for generating utterance test sets, simulating smart speaker behavior, and running large-scale scenario checks in CI/CD pipelines, enabling over 1,000 automated checks per release run.

Improved Defect Localization Workflows: Implemented workflows for analyzing logs, metrics, and device telemetry. Introduced failure classification by component – ASR, NLU, backend, device layer, and smart home – reducing average defect localization time by 30%.

Technology Stack: Python • pytest • gRPC/REST API • Docker • Jenkins • SQL • Grafana/Kibana.

EDUCATION

Sept 2017 – Jun 2021

B.Sc. in Physics, MSU

Moscow

Developed Computational Physics Projects: Built Python/MATLAB-based projects for solving physics problems, including heat transfer, motion in electromagnetic and gravitational fields, and the three-body problem.

Contributed to a Physics Faculty Knowledge Base: Helped develop a student wiki platform for the Physics Faculty, containing lecture notes, exam preparation materials, and navigation across educational resources.

Completed a Research Internship at Prokhorov General Physics Institute, RAS: Built reproducible experimental data-processing workflows and performed spectral analysis in Python, including visualization, peak detection, and curve fitting; documented results in LaTeX.

Technology Stack: Python • Django • SQL • Pandas • NumPy • SciPy • Matplotlib • MATLAB • LaTeX.

SKILLS

Python	RabbitMQ
FastAPI	AWS
Celery	Airflow
AsyncIO	Docker
gRPC/REST API	Kubernetes
PostgreSQL	GitLab CI
ClickHouse	Architecture design
Redis	DDD
Kafka	SDLC

LANGUAGES

English: B2

Russian: Native