Ilias **Nugaev**

Software Developer · Software Engineer

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Summary

Senior Software Engineer with an overall 7+ years of experience in Python (5+y.) and Golang (last 2y.) development.
Ex-Yandex (the largest BigTech company in CIS), participated in the Fintech core team, designed and implemented critical parts of the payment engine, contributed to the reliability of all Yandex B2C payments (1000TPS, >20% of company's revenue). Skilled in system design, ensuring reliability and scalability, and managing infrastructure and CI/CD processes for high-load systems. Experienced in providing multiservice communication using various approaches (REST, gRPC, Message Queues), optimizing DB performance. Strong domain expertise in financial instruments.
I have worked in both cross-functional teams and specialized engineering departments with the ability to solve complex problems both independently and within a team. Passionate about continuous improvement and expanding my expertise. I believe that reflection, feedback, and collaboration within a team are key to achieving efficiency and synergy.
Academic background in Computer Science.

Skills

Skills & Tools	Go, Python, FastAPI, Flask, Django, Kafka, RabbitMQ, Protobuf, Schema Registry, REST, gRPC, Message Queue, SQL, PostgreSQL, MongoDB, Redis, ElasticSearch, Docker, CI/CD, Gitlab, Github, Terraform, Grafana, Prometheus, VictoriaMetrics.
Methodologies	Scrum, Agile, Microservices, SOLID, DDD, EDA.
Languages	English (Business proficiency), Russian (Native)

Professional Experience (7+y.)

Yandex │ Largest big tech in CIS   *Moscow, Russia / Belgrade, Serbia*

Senior Software Engineer │ FinTech core team   *Oct. 2023 - Mar. 2025*

Key achievements
- Designed the architectural solution which improved the load capacity of the payment engine by 50%, made the system much more scalable horizontally for adding new features, and (with a small team) implemented it on a tight schedule.
- With the small team we optimized hardware costs for 20% and improved server response timings of core services by 40% (600ms →350ms).
- Improved average TTM from ∼1 week to ∼1 day by implementing CI with auto-releases for Payment Engine service, increasing frequency of the releases, and reducing the number of service rollbacks.

Ownership/responsibilities
- Planning OKRs with a team lead.
- Contributing to the features and fault tolerance of the payment system which processes all Yandex B2C payments (>20% of company's revenue).
- Participating in high load (∼1000 TPS, up to 5000 RPC) production payment service reliability duty.
- Contributing to the company hiring by conducting technical interviews.

Software Engineer │ FinTech core team   *Nov. 2021 - Oct. 2023*

- Implemented metrics, organized the dashboards and alerts for several parts of the payment engine, improving its observability and incident response time.
- Got rid of the infrastructure risks of an unoptimized and unscalable DB system by participating in implementing custom ORM and personally transferring a large collection (1TB) to a cloud database without downtime.
- Improved customer satisfaction with the service by organizing testing service duty and training other devs on incident response.

BI.ZONE │ B2B cybersecurity products   *Moscow, Russia*

Software Developer │ Cybersecurity products marketplace   *Mar. 2020 - Oct. 2021*

- Implemented from scratch the backend for 2 cybersecurity services being part of the cross-functional team
- Became responsible for the backend development of several cybersecurity services.

Media Machines Laboratory │ B2B digital marketing automation   *Moscow, Russia*

Software Developer   *Sep. 2019 - Mar. 2020*

- Integrated the service with GoogleAds API — allowed to use Google advertising forecasting in the service.
- Integrated the service with Facebook Graph API — allowed to use Facebook advertising forecasting in the service.
- Created Google Data Studio connector for the service — allowed to retain two key customers and opened up a new business direction.
- Participated in the improvement of the media plan generation algorithm, which accelerated the process of automatic media plan generation.

START.ru │ B2C streaming service   *Moscow, Russia*

Software Developer   *Feb. 2019 - Aug. 2019*

DC-systems.ru │ B2B speech analyzing   *Moscow, Russia*

Software Developer   *Aug. 2017 - Feb. 2019*

Education

HSE University (National Research University Higher School of Economics) *Moscow, Russia*
Bachelor in Software Engineering *Sep. 2012 - Nov. 2016*