Ilya Blinov

ulkhan.2014@gmail.com | Telegram: @iiblinov ↗ | github.com/Fraudik ↗

Experience

PriceCube, Middle Software Engineer — Since May 2023
Analytics and ML-based pricing service for marketplaces
- Developed from scratch modules for API data collection and processing, integrated them into the existing system
- Boosted existing data collection system performance by more than 5x
  with asynchronous processing with threads, Celery, asyncio and data caching
- Implemented product features from the design stage to the production stage
- Drastically accelerated GraphQL data queries with data marts, pagination and caching
- Developed a Kafka architecture for load balancing an arbitrary number of periodic tasks, including reducing peak load during their execution by more than 10x
- Introduced a user story discussion prior to product feature implementation,
  reducing further development time by an average of 1.5x

Psychological Surveys System, Product Manager & Software Engineer — September 2022 – May 2023
Microservice-based survey collection and processing system
- Led a team of 5 developers working on a microservice, communicated with other teams and the client

MIPT Summer Olympiad School, Lecturer — Summer 2024
- Prepared and delivered lectures and workshops on the computer science sessions
  devoted to algorithms and data structures

HSE University, Teaching Assistant — September 2022 – June 2025
- Teaching assistant on courses "Python Programming", "C++ Programming Language",
  "Algorithms and Data Structures"
- Lead of teaching assistants on courses "C++ Programming Language", "Algorithms and Data Structures"

Education

HSE, Faculty of Computer Science, Applied Mathematics and Informatics — 2021 – 2025
- **GPA**: 9.6
- **Relevant coursework:** Distributed Systems, Systems Design, Database Infrastructure, Cloud Computing, Theory and Practice of Concurrency, Computer Architecture, Computer Networks, Python, C++
- **Minor**: UX-design

Yandex Lyceum, Fundamentals of Industrial Programming — 2018 – 2020
- **One of the top graduates**, certificate number: 2002 21215 (link for check ↗)
- **Relevant coursework:** Web Development, Database Development, Asynchronous Programming, Python

Achievements

Laureate of the Ilya Segalovich Scholarship (link ↗) — 2023
(Top 10/3000+ students of the Faculty of Computer Science)

Winner of the Yandex scholarship competition for IT teaching assistants (link ↗) — 2024
(countrywide)

Winner of the HSE FCS scholarship "Best teaching assistant" (link ↗) — Second semester, 2024

Research

I.Blinov, **Parallel simulation of multi-agent systems behavior modeled
by base Petri nets and workflow nets with non-blocking synchronization** (wip) — 2025

Projects

Large Prime Numbers, Term paper — 2024
- Advanced algorithms for checking numbers for primality in C++ with GMPXX (link ↗)

BMP Image Processor, Educational Project — 2022
- C++ console application for BMP image transformations (link ↗)

Technical Skills

Development: Python, SQL, asyncio, gevent, Pandas, NumPy, SQLAlchemy, FastAPI, Django (ORM, REST framework and Graphene), Flask, C++

Technologies: REST, GraphQL, gRPC, RabbitMQ, Kafka, Celery, PostgreSQL, SQLite, Redis

DevOps & Cloud: nginx, Gunicorn, Docker, Kubernetes (entry-level), Terraform, CI & CD, Git, bash, Grafana, Prometheus, Airflow

Languages: Russian (native), English (C1)