

Andrey Mironov

Backend developer

Backend developer with a strong foundation in core mathematics, specializing in Kotlin and Java, with Python for scripting and Go for side projects.

Focused on solving business problems and writing well-tested, reliable code with solid unit and integration test coverage.

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Skills

Kotlin, Java, Gradle, Spring Boot, Junit, Testcontainers;

PostgreSQL, Kafka, Rabbit, Redis, Linux, Bash, Git;

Docker, Kubernetes, Gitlab CI, Jenkins;

Frontend: Javascript, React, HTML, CSS;

Languages: English - B2, Russian - Native;

Experience

01.Tech / Senior Backend Developer

September 2024 - Present, remote

- Developing Kubernetes-based microservices using Kotlin, PostgreSQL, ClickHouse, Kafka, RabbitMQ, Redis, and GitLab CI/CD
- Improving system performance and scalability by optimizing data flows and batch processing
- Enhancing observability by introducing metrics and alerting across services
- Onboarding new engineers, helping them quickly become productive within the team
- Ensuring production stability through on-call duties, incidents resolution, and reduction of technical debt

Tinkoff / Backend Developer

November 2023 - September 2024, Yerevan

- Implementing business features in accounting service - Java / Kotlin, .NET, PostgreSQL, Kafka, Redis, K8S
- Supporting service by participating in duty schedule - solving alerts, customer requests, SLA violations

My achievements:

- Migrated critical service from proprietary product to an open source stack, deployed all service parts in Openstack.
- Improved application reliability and SLO indicators
- Prepared presentations on Kafka and SLO, improved my team's expertise

Saint Petersburg Information and Analytical Center / Lead Developer

June 2019 - October 2023, Saint-Petersburg

Developing a BI platform application. My achievements:

- Implemented refreshing data on UI through Websockets and Kafka, which led to improved user experience;
- Module responsible for auditing user actions. Made system changes more transparent;
- Widget responsible for displaying data on Yandex Maps;
- Custom Gradle plugins for our microservices and libraries. Reduced the boilerplate code size and made microservices more manageable;
- Spring Cloud Dataflow client module responsible for custom data conveyors;
- Integration with Dremio data lake;
- Airflow DAGs for data integration scheduling;
- Spring Security OAuth usage. Custom Spring Boot starter reduced an amount of code in resource servers;
- Modules responsible for data integration and data integration journaling;

Kilko / Junior Full-Stack Developer

December 2017 - April 2019, Saint Petersburg

IT department on instrument making plant.

- Implemented geomarketing web application. Essentially it was a ETL process from Yandex Maps API to PostgreSQL. Technologies - Spring Boot and PostgreSQL on the backend, React and Yandex Maps on frontend.
- Implemented SCADA system. Technologies - Angular 6 on frontend, Spring Boot on backend.

Baltbet / Data Analyst

April 2016 - November 2017, Saint Petersburg

Improved event monitoring by custom data selections and SQL stored procedures.

GlobalFreelance.ua, Profi.ru / Freelance coach and developer

December 2011 - June 2019, Saint Petersburg

Helped students to realize and solve their math and programming problems. Had positive reviews.

<https://spb.profi.ru/profile/MironovAV/>

Education

Saint Petersburg State University, Mathematics and Mechanics

Faculty, Probability Theory and Statistics Department / Specialist

September 2007 - June 2012, Saint-Petersburg