

FEDOR BONDAREV

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PROFILE

Software engineer with two years of experience, specializing in building reliable systems to meet dynamic business needs. Proficient in Scala, functional programming, and web development. I've contributed to installment solutions at Tinkoff (serving 40+ million of users) and medical solutions at MedPribor.

EXPERIENCE

Tinkoff Bank, Scala Developer | *MondgoDB, RabbitMQ, ZIO, Akka* *July 2024 - Present*

- Migrated deployment of services integrating with external systems from **Nomad** to **Kubernetes**, resulting in reduced infrastructure costs through **Kubernetes** autoscaling and alignment with company deployment standards. Reduced approval process during configuration by prioritizing quick approvals for early-stage changes.
- Migrated service runtime from **Akka** to **Apache Pekko** with zero downtime and no impact on ongoing development. Planned and executed the migration by upgrading **Akka**, updating dependencies, and switching to **Pekko**. The main challenge was libraries lacking **Pekko** support, I reviewed each case, removing or adapting libraries.
- Implemented a metric for tracking command processing, enabling alert creation for detecting service hangs and high error rates. Used **Micrometer** with Scala to collect metrics, stored them in **Prometheus**, and visualized data in **Grafana** dashboards.

Tutor in Tinkoff Scala Course for ITMO | *Scala, Cats* *September 2024 - Present*

- Checked many students homework and helped them to improve their skills, I had 7 students assigned to me, and 3 of them are now interns at Tinkoff.

Team Lead in Educational project | *Kotlin, Android* *September 2023 - December 2023*

- Our team of 4 members goal was to create a museum map app. I assigned tasks based on team members' skills and organized biweekly progress calls. We were using **Trello** for task management and development was managed via a [GitHub repository](#).

ITMO University, MedPribor | *PostgreSQL, Flutter* *May 2023 - May 2024*

- Created app for walk simulator with games launching, aggregation of patient statistics and authentication system for doctors.

EDUCATION

ITMO University *2022 - 2027*
Bachelor of Science, Applied Mathematics and Informatics

ITMO University & Serokell - Advanced functional programming course
Monads, Monad Transformers, IO, Parallel and Concurrent, Parsers, Lenses, Template Haskell, Comonads, Kinds

SKILLS

Programming Languages: Scala, Java/Kotlin, Python, Haskell, SQL, C/C++

Libraries: ZIO, Cats, Doobie, Tapir, Tethys, ScalaTest, ScalaMock

DataBases: PostgreSQL, Redis, MongoDB, Prometheus, Elastic

Tools: GitLab CI, GitHub Actions, Docker, Kafka, RabbitMQ, k8s, Grafana, Sbt

Languages: English B2