

GEORGII KOTOV

+1 (754) 920-9050 ◊ [E-mail](#) ◊ [LinkedIn](#) ◊ [Github](#) ◊ Sunrise, FL

SUMMARY

Software Engineer with a strong Java backend basis, mostly focused on stock and crypto exchange markets with solid banking payment systems background. Built from scratch 2 scalable, high-performance apps and successfully implemented 2 data processing solutions.

SKILLS

Programming Languages	Java 8/11/21, Kotlin, Python 3, SQL
Databases	PostgreSQL, Oracle DB, InfluxDB, MongoDB
Cloud	AWS, Docker, Kubernetes, REST API, Microservices Architecture patterns
Messaging and cache	Apache Kafka, Redis, Apache Ignite
Frameworks	Spring Framework (Core, Boot, Web, MVC, Data, JPA, WebFlux), Hibernate
Testing / QA	JUnit, Mockito, TestNG, Cucumber, JMH Benchmark
Developer Tools	Maven, Gradle, Git, Linux, Bash, Jenkins, Gitlab CI, Swagger UI, Postman

EXPERIENCE

Founder / Key Developer	May 2023 - present
Algorithmic Trading Application	<i>Sunrise, FL</i>

- Developing from scratch algo-trading app that implements technical analysis of current market state, executes and tracks orders backed by risk monitoring tools and algorithms.
- Design and engineering cost-efficient realtime data processing flows based on WebSocket streams, InfluxDB time-series storage and Python analysis (NumPy, Pandas, Scikit-learn, TA-Lib, Finta, Backtrader, QuantLib, Matplotlib, TensorFlow).

Senior Software Engineer	Aug 2021 - May 2023
EPAM Anywhere	<i>Moscow, Russia - Tbilisi, Georgia</i>

- Implemented MVP and delivered WebSocket price streaming for real-time data feeding with 3 backend engineers.
- Improved efficiency, scalability, and user experience of digital asset trading platform by optimizing real-time data feeding with Spring WebFlux, Project Reactor streams and Kotlin Coroutines.
- Transitioning from Java multithreading architecture boosted market data feed performance by 73.81%.

Software Engineer	Feb 2021 - Jul 2021
Tinkoff Bank	<i>Moscow, Russia</i>

- Collaborated with cross-functional team of 25 engineers to develop features for banking payment processing apps
- Developed retail credit offering for customers in POS that brought an average of 15000 new customers per month
- Boosted bank systems' request processing by 40% using Apache Ignite cache, optimizing load on Oracle and PostgreSQL distributed databases. Handled requests from all internal banking business lines

Software Engineer	Jun 2019 - Feb 2021
Sberbank	<i>Moscow, Russia</i>

- Developed from scratch functionality for range accrual notes tailored for the bank's corporate clients.
- Integrated range accrual application with internal banking systems using IBM Enterprise Service Bus and facilitated communication with external stock market data providers via Apache Kafka.

EDUCATION

Bachelor of Public Administration , Omsk State University	2005 - 2010
--	-------------