

# Oleg Poltoratskii – Java Technical Lead

Experienced Java Developer with a specialist's degree in computer science. I am interested in a career as a Software Engineer.

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## Skills and specialization

Software design and development for Java-platform more than 10 years. I dealt with load balancing, fault tolerance, ensuring minimal downtime, database sharding. Experience in design and development customer data storage which includes issues of consistency and coherence of data. Creation cache system, design and development CMS. Using re-factoring, unit testing, design patterns and avoiding using anti-patterns. I was involved as independent expert for appraisal of software services quality.

Development for Java platform using **frameworks/technologies**: Spring, Hibernate, Web services, Java Concurrency/Multithreading, EJB, NIO; **application servers**: GlassFish, JBoss AS; **web servers**: Tomcat, Jetty, Nginx; **DBMS**: Oracle, PostgreSQL, MySQL, Redis, Apache Derby; **message brokers**: Kafka; **Clouds**: DigitalOcean, AWS S3, AWS CloudFront; **testing frameworks**: JUnit, Mockito.

Software development in team using **version control** systems: Git, Subversion, CVS; **continuous integration** tools: GitLab, Jenkins; **build** tools: gradle, maven; **project management** tools: Jira, Redmine, dotProject; **bug-tracker** tools: YouTrack, Bugzilla, Trac.

## Education and training

Certificate IELTS Band 6.0, «SI IELTS Test Centre - Rostov-on-Don», March 2015

Course «ANSI PMI PMBoK Guide v.5 based Project Management», Computer Training Center «Specialist» at Bauman Moscow State Technical University (Bauman MSTU), June 2014

State registration of the computer program #2013661926, «BST State and municipal payments», December 2013

Course «Psychological aspect of successful production activities», ANO «ECC «Energopersonal», June 2012

Certificate #00197794 «Java programming», Training Center «Intuit», May 2012

Engineer's degree (5 years), Control and Computer Science in Engineering Systems, Faculty of Computer Technique and Automation Systems, Kuban State Technological University, 2001

## Open-source projects

### PerformanseMeasurer

Open-source Java library for getting information about workflow of Java application.

## Work experience

Lead Software Engineer, EPAM Systems, 2021 — present

### Enterprise time-off tracking system, EPAM Systems Inc.

Design and implementation application/service «Data collector» - collector of user data from different sources, with filters, pre-processors, post-processors, flushers for manipulation and storing data. Handling history of employees' attributes, allowing retrospective changes. Implementation with multithreading support, concurrency, thread safety, using CAS technique and concurrent data structures, counters, semaphores, etc. Increasing throughput and performance by reducing requests to DBMS and messages for dependent services.

Java Concurrency/Multithreading, Spring Boot, Spring Data, PostgreSQL, Apache Kafka, Junit, Mockito, gradle, Openshift.

### IHSM UK Intergated Reporting, IHSM UK

Throtler service for collecting and processing incomming data to overcome performance issue. Recovery mechanism for sub-system – backup and restore to database in service thread.

Java developer, Self-Employment, 2014 — 2021

## Forex trader

Creation Price Throttler Service for distributing currency updates to fast and slow listeners. Some currency changes 100 times per second and some changes only several times per day. Slow listeners doesn't impact fast listeners and get updates only for the latest value.

## Game Developer

Creating service for synchronization user data, receiving and accumulation user's statistic, giving report about user's activity. Using no-sql DBMS for storing statistic's data and relational DBMS sharding for general data.

## Pharmacies in Russia - medicine searching project in all regions of the Russian Federation

Creation glossary of trade assortment for large trading marketplace. Development objects to glossary binding algorithms, analysis of unstructured data. Binding algorithm throughput is 30 000 requests/sec. Increased performance allowed to reduce import time from 5 hours to 30 minutes.

## Real Estate Agencies

Creation platform for real estate agencies with inter-company data exchange and demand-supply matching.

## Senior Java developer, CJSC «Sirius», 2013 — 2014

Realization of intelligent replication system between unlimited number of distributed data center in order to ensure system resilience with increased reliability requirements - in project "Situation center 112".

Project «BST State and municipal payments» was developed. Software has State registration.

## Senior software developer, IT department , JSC «Kubanenergo», 2011 — 2013

Implementation of increased protection against employees fraud in contracts reference system. Growth general system performance.

## Software developer, LTD «CSI "Infokinetika"», 2010 — 2011

I reorganized, improved architecture, made memory and performance optimization for server part of vehicle monitoring system - «Navstat». Reducing number of servers as a result.

## Personal qualities

Purposeful, responsible. Permanent self-education and professional development. Ability to persuasively defend my point of view and to find compromises.

## Interests

Skiing, snowboarding, rafting.