Misha Borodin

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Summary

- **5+ years of experience** in building massively scalable systems (mostly using **Java**) both from scratch and diving into an existing codebase.
- In my previous company I worked my way up from a programmer to a head of software development and managed a team of 13.
- Currently I'm a full-stack developer (**Go, Javascript**) in the **Google Play Movies team**.

Skills

Languages: Java, Groovy, Go, JS, SQL

Technologies: Spring, SOA/REST/Web Services, WebSockets, Akka, Netty, ZeroMQ, Protobuf, JUnit, Spock, Grails, Maven, Gradle, Angularjs, jQuery, ExtJs, Karma, Jasmine

Tools: JMC, MAT, Gitlab, JMeter, Jenkins/ Hudson, TeamCity, Jira

Source Control: Git, SVN

Methodology: Scrum, Kanban, Lean, TDD

Databases: Postgresql, MySQL, MongoDB

IDE: Intellij IDEA, Sublime

Application Servers: Jetty, Tomcat, Glassfish

Accomplishments:
- ✓ split a monolithic system into micro-services
- ✓ shortened release time in 16%
- ✓ turned a single-app single-db system into a distributed service
- ✓ reduced manual testing in 20%
- ✓ taught the team how to write unit and integration tests
- ✓ implemented benchmarking and load tests
- ✓ introduced continuous software delivery process

Work Experience

Senior Software Engineer, *Epam Systems Inc.*, Mountain View, CA **Oct 2017 - Present**

Project: internal project at Google Play Movie, team of 3 *Accomplishments:*

- ✓ sped up the slowest query 6 times
- ✓ implemented caching
- ✓ factored out unit and integration tests
- ✓ implemented benchmarking

Technologies: Go, Javascript, Angular, Karma, Jasmine

Lead Software Developer, *Omnicomm*, Moscow, Russia **July 2014 – Oct 2017**

Projects:

1. Autocheck (Java, JS, jQuery, MySQL), team lead, — an analytical system for fleet monitoring, team of 7.

Accomplishments:
- ✓ reduced regression tests in 30%
- ✓ implemented stress-tests
- ✓ increased uptime in 4%
- ✓ tuned garbage collector, app and MySQL performance
- ✓ improved performance of several critical SQL-queries in 2-6 times
- ✓ sped up UI loading 2.5 times

2. **Communication server**, (Java, JS, PostgreSQL, Netty), team lead, — multithreaded distributed server application for gathering and routing data between ≈150K producers and ≈10K consumers, team of 3

Accomplishments:
- ✓ designed and implemented the system (both front and backend) from scratch
- ✓ scaled out PostgreSQL and the application
- ✓ achieved 75% unit test coverage

Assistant of Professor   **Jan 2014 — Jul 2014**
Moscow State University of Railway Engineering
Taught practise lessons for Object Oriented Programming and Mathematical Modelling.

Researcher & Lead Programmer   **Jun 2011 — Apr 2014**
Moscow State University of Railway Engineering
Tasks and accomplishments:

- ✓ developed mathematical models of railway stations
- ✓ developed forecasting system using simulation models
- ✓ introduced recommendations for optimising processes of railway marshalling yards

Languages: Java, Scala, JavaScript, SQLite, MySQL

Education

Master's Degree in Computer Science   **2006 — 2011**
Moscow State University of Railway Engineering
Department of Automated control systems
Research area — simulation of railway processes.