

# Nikolay Kondratyev

Moscow, Russia  
+7 (913) 460-2218  
[kondratyev.nv@gmail.com](mailto:kondratyev.nv@gmail.com)

<https://linkedin.com/in/kondratyevnv/>  
<https://stackoverflow.com/users/4182275/>  
<https://github.com/kondratyev-nv>  
<https://hackerrank.com/kondratyevnv>

---

## Summary

Software engineer experienced in designing, developing and delivering high-quality code in multiple languages. Passionate and focused on scalable, highly available and fault-tolerant solutions. Eager to learn new technologies and improve products and systems.

---

## Work Experience

**Software Engineer**, Yandex, Moscow

SEP 2017 – PRESENT

- Leading various projects focused on improving customer experience
- Analyzing business requirements, providing solutions and time estimations
- Developing new features, fixing bugs, refactoring, testing, and reviewing code
- Providing mentorship to new team members

### *Accomplishments:*

- Designed and developed cross-component features built with various technologies, meeting strict deadlines while maintaining code and architecture quality
- Significantly decreased service downtimes by improving database management and database refactoring process
- Automated backward compatibility checking for cross-component APIs, integrated it to the development workflow
- Automated development workflow steps that decreased development cycle time by up to 50%
- Improved and optimized release life cycle, decreased release and hotfix time by up to 75%
- Numerous code maintainability and service reliability improvements

*Technologies:* Java, Spring Framework, JDBC, jOOQ, PostgreSQL, Zookeeper, SQL, Gradle, JUnit, TeamCity, IntelliJ IDEA, Microservices, Concurrency, Git, Linux

**Senior Full Stack Developer**, BARS Group, Novosibirsk

MAR 2017 – AUG 2017

- Designed and developed new features, fixed bugs and performance issues on both front- and back-end sides of the application
- Provided leadership and mentorship to the engineering team, reviewed code
- Estimated task time, planned releases
- Analyzed business requirements and provided solutions to resolve system and user issues
- Supervised and coordinated workflow and git-flow

### *Accomplishments:*

- Fixed performance issues, decreased processing time of some operations by up to 90%
- Improved performance of SQL queries by adding indexes and redesigning part of the database schema
- Successfully met deadlines of releases both as a coordinator and a part of a team

*Technologies:* C#, .NET, ASP.NET MVC, NHibernate, Castle Windsor, linq2db, JavaScript, ExtJS, PostgreSQL, RabbitMQ, Syncfusion XlsIO, SQL, XUnit, Concurrency, Git, Agile, TeamCity, Windows

**Full Stack Developer**, BARS Group, Novosibirsk

DEC 2015 – MAR 2017

### *Accomplishments:*

- Designed and implemented MS Excel report system based on Syncfusion XlsIO that decreased development time of reports by up to 75%
- Designed and implemented an aspect-oriented authorization system for various modules
- Redesigned and refactored document management subsystem that improved document flow performance

**Accomplishments:**

- Conducted research on message brokers (ActiveMQ and RabbitMQ), performance and persistence comparison
- Deployed and configured ESB (Mule ESB), ported system components to use ESB and message queues
- Conducted performance testing of newly developed services, fixed performance issues

**Technologies:** Java, Spring Framework, JDBC, MySQL, Maven, JUnit, IntelliJ IDEA, NetBeans, ActiveMQ, RabbitMQ, MongoDB, Mule ESB, Microservices, JMeter, Scrum, Linux

---

**Education**

---

**Novosibirsk State Technical University**, Novosibirsk Russia  
M.Sc. in Applied mathematics and computer science

2008 - 2014

Graduated with Honours. Gained knowledge and experience in C/C++, concurrent programming on CPU (OpenMP, pthreads, Intel MKL) and GPU (CUDA), algorithms and data structures. Thesis on solving complex numerical modelling problems of physical processes with acceleration on CPU and GPU.

---

**Skills**

---

Java, C#, .NET, Spring Framework, ASP.NET MVC, JavaScript, TypeScript, Python, Algorithms, Data Structures, SQL, C/C++, Git, GitFlow, NHibernate, JDBC, Castle Windsor, linq2db, ExtJS, PostgreSQL, Zookeeper, RabbitMQ, MySQL, Maven, JUnit, ActiveMQ, MongoDB, Syncfusion XlsIO, XUnit, Concurrent Programming, Software design, Design patterns, Testing, Microservices, WCF, Agile Methodologies, Kanban, Scrum, Code Review, Web services, CUDA, TeamCity, IntelliJ IDEA, Visual Studio, Rider IDE, Windows, Linux

---

**Personal projects and certifications**

---

**Projects**

- **Python Test Explorer for Visual Studio Code**  
Visual Studio Code extension with more than 150K downloads. It allows users to discover and run Python Unittest or Pytest tests with the Test Explorer tree view.  
September 2018 - Present, <https://github.com/kondratyev-nv/vscode-python-test-adapter>

**Certifications**

- **Neural Networks and Deep Learning, Coursera**  
July 2019, <https://www.coursera.org/account/accomplishments/verify/BCLMQE97BSXY>
- **Introduction to Machine Learning, Coursera**  
December 2018, <https://www.coursera.org/account/accomplishments/verify/LSBDQ7KLW9FT>
- **Algorithms on Strings, Coursera**  
September 2018, <https://www.coursera.org/account/accomplishments/verify/RM3MK5VBJ7WQ>
- **Algorithms on Graphs, Coursera**  
August 2018, <https://www.coursera.org/account/accomplishments/verify/2NHADYLDGB2P>
- **Data Structures, Coursera**  
July 2018, <https://www.coursera.org/account/accomplishments/verify/CV72TXV7Q44L>
- **Algorithmic Toolbox, Coursera**  
June 2018, <https://www.coursera.org/account/accomplishments/verify/MU68KFWTRQ54>
- **DEVOPS200.9x: Architecting Distributed Cloud Applications, edX**  
June 2018, <https://courses.edx.org/certificates/0fc5cb6fbc3341f291b8c47d6c7a694b>