

# Nikolay Kondratyev

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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.

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## Work Experience

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**Software Engineer**, Facebook, London

APR 2021 – PRESENT

- Building infrastructure services and software components using Hack, Python, and C++.
- Conducting design and code reviews.
- Analyzing and improving efficiency, scalability of products and systems.

*Technologies:* Hack, Python, C/C++, Thrift, SQL, Distributed Systems, CI/CD, Visual Studio Code.

**Software Engineer**, Yandex, Moscow

SEP 2017 – APR 2020

- Led various projects focused on improving reliability and customer experience.
- Analyzed business requirements, provided solutions and time estimations.
- Designed and developed new features, fixed bugs, refactored, tested, and reviewed code.
- Provided mentorship to new team members.

### *Accomplishments:*

- Led, designed, and developed cross-component features built with various technologies, meeting strict deadlines while maintaining code and architecture quality.
- Organized team workflow to tackle technical debt by negotiating importance and priorities with managers, revisiting current and introducing new practices.
- Improved integration between multiple components that decreased cloud resource consumption by up to 70% and response time by up to 40%.
- Significantly decreased service downtimes and response error percent during releases by improving database management and database refactoring process.
- Improved and optimized release lifecycle that decreased release and hotfix time by up to 75%.
- Improved continuous integration process and automated multiple development workflow steps that decreased development cycle time by up to 50%.
- Migrated multiple back-end services to Java 11, improved dependency management that significantly decreased artifacts size and dependency conflicts.

*Technologies:* Java, Spring Framework, JDBC, jOOQ, PostgreSQL, Zookeeper, ClickHouse, Gradle, JUnit, Distributed Systems, CI/CD, TeamCity, IntelliJ IDEA, Microservices, Concurrency, Git, Linux.

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

MAR 2017 – AUG 2017

- Analyzed business requirements, designed and developed new features, fixed bugs.
- Provided leadership and mentorship to the engineering team, coordinated workflow.

### *Accomplishments:*

- Fixed performance issues decreasing processing time of some operations by up to 90%.
- Redesigned parts of database schema significantly improved performance of SQL queries.

*Technologies:* C#, .NET, ASP.NET MVC, NHibernate, Castle Windsor IoC, linq2db, JavaScript, ExtJS, PostgreSQL, RabbitMQ, XUnit, Git, Agile, Kanban, Scrum, Visual Studio, Rider IDE, Windows 10.

*Accomplishments:*

- Designed and implemented Microsoft 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.
- Refactored document management subsystem significantly improving performance.

**Java Developer**, CDEK, Novosibirsk

JUN 2015 – DEC 2015

*Technologies:* Java 8, Spring Framework, JDBC, MySQL, Maven, JUnit, IntelliJ IDEA, NetBeans, ActiveMQ, RabbitMQ, MongoDB, Mule ESB, Testing, Microservices, JMeter, Scrum, Linux.

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**Education**

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**M.Sc. in Applied mathematics and computer science**

2008 – 2014

Novosibirsk State Technical University, Novosibirsk, Russia

Graduated with Honors. Gained knowledge and experience in C/C++, concurrent programming on CPU (OpenMP, 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.

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**Skills**

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

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**Personal Projects**

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- **Python Test Explorer for Visual Studio Code**

Visual Studio Code extension to discover and run Python tests with the Test Explorer tree view. September 2018 – Present, <https://github.com/kondratyev-nv/vscode-python-test-adapter>

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**Certifications**

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- **Introduction to Machine Learning, Coursera**

December 2018, <https://coursera.org/account/accomplishments/verify/LSBDQ7KLW9FT>

- **Genome Assembly Programming Challenge, Coursera**

May 2020, <https://www.coursera.org/account/accomplishments/verify/H9PHLC2JKK9A>

- **Advanced Algorithms and Complexity, Coursera**

May 2020, <https://www.coursera.org/account/accomplishments/verify/DYYZSQDF5EHC>

- **Algorithms on Strings, Coursera**

September 2018, <https://coursera.org/account/accomplishments/verify/RM3MK5VBJ7WQ>

- **Algorithms on Graphs, Coursera**

August 2018, <https://coursera.org/account/accomplishments/verify/2NHADYLDGB2P>

- **Data Structures, Coursera**

July 2018, <https://coursera.org/account/accomplishments/verify/CV72TXV7Q44L>

- **Algorithmic Toolbox, Coursera**

June 2018, <https://coursera.org/account/accomplishments/verify/MU68KFWTRQ54>

- **DEVOPS200.9x: Architecting Distributed Cloud Applications, edX**

June 2018, <https://courses.edx.org/certificates/0fc5cb6fbc3341f291b8c47d6c7a694b>