

Aleksandr Salatich

Software Engineer

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Personal details

Birth April 20, 1992

Marital status Married

Citizenship Russia

Education

2016-present **PhD Program, Information technology and numerical methods**
Physics Faculty, Department of Computational Physics, St.Petersburg State University, Russia

2014-2016 **Master in Applied Mathematics and Physics**
Physics Faculty, Department of Computational Physics, St.Petersburg State University, Russia
Master Thesis in June 2016 (grade 5 of 5): Development of Distolym software subsystems (written in Russian)

2010-2014 **Bachelor in Applied Mathematics and Physics**
Physics Faculty, Department of Theoretical Physics, Omsk State University, Russia
Bachelor Thesis in July 2014 (grade 5 of 5): Simulation of dynamic phase transitions in Ising-like systems under a time-dependent oscillating external field (written in Russian)

Work experience and projects

2018-present **Middle Software Engineer**
EPAM Systems
epam.com
Development ETL jobs via Scala Spark/Hive inside on-premise Hadoop cluster.

2017-2018 **Junior/Middle Java Developer**
Rostelecom Contact-Center
omnichat.ru
Development software for communication with customers through digital channels. Add new functionality, bug fixing and refactoring of existing microservice architecture software using Design Patterns (Visitor, Factory, Command etc.). Add new API methods (Spring, Hibernate, PostgreSQL, OracleDB) for receiving messages from customers through messengers, social networks and site : telegram, viber, vk, facebook, widget. Development of new microservices (Spring, ActiveMQ, RabbitMQ). Test coverage of code via unit and integration tests (JUnit, Mockito). Code review (Bitbucket, GitLab). Installing updates with DevOps team (Jenkins, Docker, Tomcat, Glassfish, WebLogic). Communication with Delivery Managers to formation of requirements. Communication with Scrum Master to task evaluation and distribution of tasks among small developers team

2017 **Junior Full Stack Developer**

JSC Bank «PSCB»

`online.pscb.ru`

Development Payment Aggregator and Payment System (e-commerce). Add new functionality to existing payment system. Add new API methods for payments processing (Grails Framework) on server side. Add new buttons, events and templates (JavaScript, Ajax, JSP templating) on client side

2014-2016 **Junior PHP Developer**

St.Petersburg State University

`distolymp2.spbu.ru`

Development of Distolymp program complex for conduction Online Competition in Physics (part-time employment). Add new functions and submodules (PHP, JavaScript, Ajax) to current system

Skills

Programming languages: Java, Groovy, Python, SQL

Frameworks: Spring Framework, Hibernate, JUnit, Mockito, Hadoop, Spark, Apache Hive, Apache Maven, Grails

Industry Knowledge: Agile, SOLID

Databases: PostgreSQL, Oracle

Tools & Technologies: Apache Kafka, Jackson, RabbitMQ, ActiveMQ, Jira

Java application servers: Tomcat, GlassFish, WebLogic

IDEs: IntelliJ IDEA, NetBeans

VCS: Git, SVN

Continuous Integration: Jenkins

Virtualization: Docker, Oracle VM VirtualBox

Mathematical software: Maple, SymPy

Document preparation systems: \LaTeX , Microsoft Office

OS: Linux, Microsoft Windows

Additional Information

Conferences and publications

2018 **Confluent Heun equation and equivalent first-order systems**

Polynomial Computer Algebra 2018

<https://pca-pdmi.ru/2018/files/21/pca18n.pdf>

2017 **Confluent Heun equation and confluent hypergeometric equation**

Zap. Nauchn. Sem. POMI

<https://link.springer.com/article/10.1007/s10958-018-3865-2>

2015 **A Distribution Model for Fuels Production and Consumption in the World**

International Student Conference, Science and Progress, St.Petersburg, Peterhof

2015 **Distolymp multi-platform program complex for testing knowledge and practical skills**

Modern Information Technology. Theory and practice

Proceedings of the 2nd All-Russian Research-to-Practice Conference, Cherepovets

Additional Education

2013 **Advanced Training Course**

Institute of Mathematics and Information Technologies, Omsk State University, Russia

Introduction to Programming

Stepic

Java. Basic Course

Algorithms: theory and practice. Methods

Introduction to Computer Architecture. Elements of Operating Systems

Coursera

Machine Learning (Stanford)