

## PERSONAL INFORMATION

## Alexey Grigorev

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Sex Male | Date of birth 19 November 1989 | Nationality Russian

## STUDIES APPLIED FOR

## Master's program Computer Science and Engineering

## WORK EXPERIENCE

June 2012 - Present

Luxoft / UBS , Krakow

## Project details:

A set of intermediate systems for gathering data (orders, executions, cleared trades, allocation instructions and bookings) from different markets and linking them together to form a complete picture of trading activity.

## Responsibilities:

implementing new features and proofs of concepts; refactoring existent code; writing and running tests (all set of tests, from unit tests to regression);

## Achievements:

Improved matching statistics, which resulted in more accurate commission calculation. Sped up application GUI's start up time dramatically (from 30 to just a few minutes) by introducing lazy-loading.

June 2011 - June 2012

## Team lead

jtalks.org (open source)

## Project details:

Multicomponent platform for forums, blogs, webinars for Russian-speaking Java community  
[javatalks.ru](http://javatalks.ru)

## Responsibilities:

managing a distributed team of 3-6 developers; advising team members upon code quality; mentoring; recruiting; reviewing the code; refactoring the code;

## Achievements:

Made sure the code kept in a neat condition and carefully watched the test coverage. Paid special attention to mentoring and as the result at least 3 participants were able to find a job after taking part in the project because of the skills they gained.

August 2011 - May 2012

## Software engineer

Intech global , Nizhniy Novgorod (Russia)

## Project details:

Web-oriented e-commerce system for ringback tones (tones which are heard when calling on a mobile phone).

## Responsibilities:

developing front-end application; implementing new features; refactoring existent code; managing 1 developer;

## Achievements:

Developed the application architecture from scratch, delivered the first version of the application in a month and successfully launched it. Afterwards kept the code clean and concise, paid special attention to the test coverage. Kept the level of the coverage at 95%.

December 2010 - August 2011

**Software engineer**

Auriga , Nizhniy Novgorod (Russia)

## Project details:

Robotized order fulfillment system for e-commerce warehouses

## Responsibilities:

implementing new features; maintenance (refactoring, bug fixing);

## Achievements:

Learned the Java programming language and surrounding technologies. Partly rewrote a tool for persisting the current state of the system: separated highly coupled parts of the tool, enhanced it by making it work remotely, while adhering to the existent application structure.

June 2010 - September 2010

**Programmer**

Boston University, Cognitive Neuroscience Laboratory , Boston (United States)

## Project details:

Full development of series of computerized experiments: design, data collection, and analysis. All the experiments were based on scientific researches made by the laboratory. Each experiment was designed with regard to a particular psychological aberration.

## Responsibilities:

developing programs in E-Studio environment; creating and maintaining databases in MySQL; data processing in MS Excel (macros in VBA); participating in researching on human perception.

## Achievements:

Seven different experiments were made from scratch, grown up from small experiments to a series of programs which were perfected due to constant cycle of testing on real subjects. Those programs were successfully used and the results were applied to further researches.

November 2007 - December 2008

**Laboratory assistant / programmer**

Far Eastern State Academy, Laboratory of mathematical simulation , Birobidzhan (Russia)

## Project details:

Participating in scientific project for forecasting the direction of typhoons using images from satellites.

## Responsibilities:

image-processing in Delphi and MATLAB (cluster analysis, etc); statistical analysis of time series in Fortran (F95);

## Achievements:

Created a DLL with cluster analysis procedures, wrote a course work on cluster analysis.

**EDUCATION AND TRAINING**

2006 - 2010

**Bachelor of Information Technologies**

Far Eastern State Academy for Humanities and Social Studies (now Priamurian State University), Birobidzhan

Graduated with honors

Mathematical disciplines: Algebra and Geometry, Discrete Mathematics, Calculus, Analysis, Probability and Statistics, Informatics, Physics, Mathematics of Logic, Laplace and Fourier Transform, Statistical Analysis of Time Series

IT disciplines: Electrotechnics and Electronics, Metrology, Standardization and Certification, Information technologies, Theory of Information Processes and Systems, Data Management, Information Networks, Systems Modeling, PC and Systems Architecture, Operational Systems, Programming Technology, Computer Geometry and Graphics, Knowledge Representation in IT systems, Information Safety and Protection, Corporate IT Systems, IT Systems Administering, Intelligent IT Systems, Multimedia Technologies, Safety of Information Systems, Information System Development, Discrete Mathematics Algorithms, High-Level Programming Methods, Mathematical IT, Safety of Computer-Based Systems, Theory of Computer-Based Equipment

Course papers: Cluster Analysis and allocation of clusters, Local network designing and developing for FEASHS building #1, Customer Goods IT record system for Sterkh Ltd (Birobidzhan)

Final thesis: Sales Record IT system for Sterkh Ltd. (Birobidzhan)

Participated in collegiate contests:

- mathematical contest in FESAHSS (2006)
- ACM ICPC (annually from 2006 to 2010)
- Far Eastern mathematical contest, Pacific State University (2007 and 2008)
- Programming contest in Jiamusi State University, China (2008)
- The talented youth governmental award (2009)
- Best graduate in FESAHSS (2010)

Spoke at conferences and participated in scientific contests:

- Far Eastern Collegiate Conference 2009, Khabarovsk, "Data Mining and Cluster Analysis"
- Programmer 2009, Vladivostok, "Von Neumann machine model"
- Programmer 2010, Vladivostok, "Watermarking for copyright protection"
- Exponenta.ru contest, 2010, "Watermarking for copyright protection"

2006 - 2011

## English Teacher

Far Eastern State Academy for Humanities and Social Studies, Birobidzhan (Russia)

English

## PERSONAL SKILLS

### Communication skills

- use English fluently
- listen actively
- work out mutually agreeable solution (compromise or sometimes win-win)
- build constructive discussion and efficiently translate my own ideas
- provide a well-supported position
- perceive opposite opinion
- express thoughts in a structured way

### Organisational / managerial skills

- able to lead a distributed team of programmers up to 6 people
- able to decompose tasks for further assignment
- can motivate people
- mentoring

### Job-related skills

Programming Languages: Java, Python, Java Script  
Java related skills: Java core; Spring; Spring MVC; Hibernate; JUnit, TestNG, Mockito; Maven  
Design: OOA/D, design patterns (GoF), TDD