

Alexey GRIGOREV

Curriculum Vitae

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Objective

Data scientist at your company

Summary

A data scientist with strong technical skills in software engineering backed by four years of professional experience. Currently I would like to focus primarily on Data Analysis, Data Mining and Machine Learning

Skills

Programming

Java Java core, Spring, Hibernate; JUnit; Maven
Groovy, basics of Scala

DB MySQL, CouchDB

Analysis R, Python

Theory

Probability, Statistics

Data Analysis, Machine Learning, Data Mining

Languages

English **Advanced**

IELTS: 8.0

Russian **Native**

Education

2013– ... **Information Technologies for Business Intelligence**, *Joint program by Université Libre de Bruxelles, Université François-Rabelais de Tours and Technische Universität Berlin*, <http://it4bi.univ-tours.fr/>.

2006–2010 **Information Systems and Technologies**, *Far Eastern State Academy*, Faculty of Mathematics, Information Technologies and Engineering, Birobidzhan, Russia.
With honors

2006–2011 **English Teacher**, *Far Eastern State Academy*, Department of Foreign Languages, Birobidzhan, Russia.

Experience

Full-Time

- 2012–2013 **Software Developer**, UBS *via* LUXOFT, Kraków, Poland.
A set of systems for integrating exchange data (orders, executions, cleared trades, allocation instructions and bookings) from different markets to form a complete picture of trading activity for booking purposes.
Responsibilities: ◇ implementing new features and proofs of concepts ◇ refactoring existent code ◇ writing and running tests (from unit tests to regression) ◇ conducting technical interviews.
Technologies: Java, Spring; Groovy; Spring Integration; Maven, svn; JUnit, Mockito.
Achievements: ◇ improved matching accuracy ⇒ more precise commission calculation ◇ sped up application GUI's start up time (30' → 3') by introducing lazy-loading ◇ created a Groovy-based DSL for managing mapping rules.
- 2011–2012 **Software Developer**, INTECH GLOBAL, Nizhniy Novgorod, Russia.
Tele2 Gudok (<http://gudok.tele2.ru>): a web-oriented e-commerce system for selling ringback tones (tones being heard when calling to a mobile phone).
Responsibilities: ◇ developing front-end application ◇ implementing new features ◇ refactoring existent code ◇ managing 1 developer
Technologies: Java, Spring, Spring MVC; Java Script, jQuery; Maven, svn; JUnit, Mockito, jsTestDriver
Achievements: ◇ developed the application architecture from scratch ◇ delivered the first version of the application in a month ◇ successfully launched it ◇ afterwards kept the code clean and concise ◇ paid special attention to the test coverage: kept the level at 95%.
- 2010–2011 **Software Developer**, AURIGA, Nizhniy Novgorod, Russia.
Robotized order fulfillment system for e-commerce warehouses
Responsibilities: ◇ implementing new features ◇ maintenance (refactoring, bug fixing)
Technologies: Java SE, Spring, RMI & Spring Remoting, JUnit, MySQL, Maven
Achievements: ◇ learned and mastered Java and surrounding technologies ◇ partly rewrote a tool for persisting the current state of the system: separated highly coupled parts, enhanced it by making it work remotely

Open Source

- 2011–2012 **Team Lead**, JTALKS.ORG, <http://jtalks.org>.
Multicomponent platform with forums, blogs, webinars for Russian-speaking Java community "javatalks.ru".
Responsibilities: ◇ managing a distributed team of 3-6 developers ◇ reviewing the code ◇ advising upon code quality ◇ mentoring ◇ recruiting ◇ refactoring the code
Technologies: Java, Maven, Git, Spring, Hibernate, ZK framework; Sonar, Fisheye, ...
Achievements: ◇ made sure the code was neat, carefully watched the test coverage ◇ paid special attention to mentoring ⇒ 3 participants found a job because of the gained skills.

Part-Time, Freelance and Internships

- 2013–2014 **Machine Learning Developer**, *Freelance*.
A series of small projects in the following areas: ◇ voice recognition ◇ keyword extraction ◇ text processing ◇ information retrieval
Technologies: Java, JavaML, libSVM, Encog, Weka, CMU Sphinx; Lucene, Stanford NLP

2010 **Laboratory Assistant**, *Summer Internship*, BOSTON UNIVERSITY, *Cognitive Neuroscience Laboratory*, Boston, USA.

Developing computerized experiments for studying cognitive aberrations

Responsibilities: ◇ developing in E-Studio ◇ data collecting, analyzing and processing
◇ participating in researching on human perception

Technologies: E-Basic, MySQL, Microsoft Excel + VBA.

Achievements: ◇ seven different experiments were made from scratch and successfully tested on subjects ◇ the results were applied to further researches

2007–2008 **Laboratory Assistant**, FAR EASTERN STATE ACADEMY, *Laboratory of Mathematical Simulation*, Birobidzan, Russia.

Scientific project for forecasting the direction of typhoons using satellite images

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

Achievements: ◇ created a library with cluster analysis procedures ◇ wrote a course work on cluster analysis