Dmitry Bogdanov
Principal Software Engineer at Genesys

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Professional Experience

Genesys Telecommunications Laboratories, Saint-Petersburg, RF
Principal Software Engineer **March 2016 to present**

- Architecture and development of server-side components for Genesys Web Engagement project, intergroup coordination. (JAX-RS Jersey, Spring, Maven, Docker, Mercurial, Jenkins)

Speech Technology Center, Saint-Petersburg, RF
Senior Software Developer **July 2013 to February 2016**

- Architecture and development of mutli-platform highload system for speech recognition, biometrics, sound processing and tracking. (SOA, Spring, .NET, JNI, JMX, ActiveMQ, Maven, PostgreSQL, Riak, Tomcat, Mercurial, Subversion, TeamCity)

GGA Software, Saint-Petersburg, RF
Software Developer **February 2012 to July 2013**

- Web-development and PDF parser for mobile HTML-representation of PDF for **Bibliorossica**. (Java, Spring, ImageIO, C++, PDF parsing, JavaScript, jQuery, Git)
- Web-development **I'mScientist** (Ruby on Rails, PostgreSQL, MongoDB, Solr, JavaScript, jQuery, Git)

Corning Inc., Saint-Petersburg, RF
Engineer **September 2010 to January 2012**

- CFD solvers for chemically-reacting gas flow (C++, OpenFOAM)

Professional Skills

- **Programming Languages**: Java, C#, Ruby, JavaScript, C++
- **Frameworks, libraries and tools**: Spring, ActiveMQ, JMX, Batis, Maven, JUnit, Ruby on Rails, TeamCity, Jenkins
- **RDBMS**: PostgreSQL, MySQL
- **NoSQL**: Riak, Cassandra, Solr
- **IDE**: Intellij IDEA, AppCode, Vim, Sublime Text
- **VCS**: Git, Mercurial, Subversion
- **OS**: MacOS X, Windows, Linux - RedHat (CentOS), Ubuntu

Education

Saint-Petersburg State Polytechnical University, Saint-Petersburg, RF

M.S., Applied Mathematics and Physics, July 2012

- Thesis Topic: *Numerical simulation of an air flow inside a cyclone filter and implementation of a Shur-Spalart curvature-correction term for $k-\omega$ SST turbulence model*
- Area of Study: Computational Fluid Dynamics, Aerodynamics

B.S., Applied Mathematics and Physics, July 2010

- Thesis Topic: *Numerical simulation of supersonic flows*
- Area of Study: Computational Fluid Dynamics, Aerodynamics