

Dmitrii Bogdanov  
Principal Staff Software Engineer at Genesys

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PROFESSIONAL  
EXPERIENCE

**Genesys Telecommunications Laboratories**, Saint-Petersburg, RF  
*Principal Staff 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
- **Languages:** Russian – Native, English – Upper Intermediate

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