

Dmitry Bogdanov

CONTACT INFORMATION	Postgraduate Student Ioffe Physical Technical Institute 26 Polytechnicheskaya Saint-Petersburg, 194021, Russian Federation	Mobile: +79218459027 E-mail: dima.delmar@gmail.com
WORK INTERESTS	Java/.NET development. Interested in development of high-performance multi-module systems and big data	
KEYWORDS	Java SE, Java EE, C#, .NET Framework, C++, Concurrency Framework, Spring Framework, ActiveMQ, JMX, JMS, PostgreSQL, Riak, Apache Maven, Apache Hadoop, MPI, MongoDB	
EDUCATION	Saint-Petersburg State Polytechnical University , Saint-Petersburg, RF Ph.D., Fluid, Gas and Plasma mechanics, July 2016 <ul style="list-style-type: none">• Thesis Topic: <i>Numerical simulation of heat transfer through spacecraft surface for a weakly ionised hypersonic flow</i>• Adviser: Senior Scientist Poniaev S.A.• Area of Study: Aerospace, Aerodynamics, Plasma physics M.S., Applied Mathematics and Physics, July 2012 <ul style="list-style-type: none">• Thesis Topic: <i>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</i>• Adviser: Senior Scientist Poniaev S.A.• Area of Study: Aerodynamics B.S., Applied Mathematics and physics, July 2010 <ul style="list-style-type: none">• Thesis Topic: <i>Numerical simulation of supersonic flows</i>• Adviser: Docent Bulovich S.V.• Area of Study: Aerodynamics	
REFEREED JOURNAL PUBLICATIONS	[1] Bogdanov D.A., Bulovich S.V. Numerical simulation of hypersonic flow over forward-facing step. <i>International conference of XXXIX science-week SPBSTU materials</i> . Pages: 20–22. 2010. Link	
PROFESSIONAL EXPERIENCE	Speech Technology Center , Saint-Petersburg, RF <i>Software Developer</i> July 2013 to present <ul style="list-style-type: none">• Developing backend components for speech recognition systems (Java, C#, Concurrency, JNI, JMX, JMS, ActiveMQ, Spring, MVC, Maven, Ant, PostgreSQL, Riak, Tomcat, Mercurial, Subversion, IntelliJ IDEA, Visual Studio, ReSharper, TeamCity, CentOS) GGA Software , Saint-Petersburg, RF <i>Software Developer</i> February 2012 to July 2013 <ul style="list-style-type: none">• Developing Bibliorossica (Java, Concurrency, Spring, ImageIO, C++, PDF parsing, SAX, PostgreSQL, JSP, Javascript, jQuery, Git, IntelliJ IDEA, Eclipse)	

- Developing **I'mScientist** (Ruby on Rails, PostgreSQL, MongoDB, Javascript, jQuery, Git)

Corning Inc., Saint-Petersburg, RF

Engineer

September 2010 to January 2012

- C++11 development (Implementation of CFD solvers for chemically-reacting gas flow in porous media using **OpenFOAM**)
- Designing catalytic convertors and diesel particle filters
- Numerical simulation in ANSYS Fluent and ANSYS CFX

TWELL Company, Saint-Petersburg, RF

Engineer

September 2009 to December 2010

- Theoretical research and numerical simulation of pneumatic breakwaters and interaction between sea waves and bubble plumes
- Development of a physical model applicable for pneumatic breakwaters

APPLICATION
AREAS

Software Development: Java, C#, C++ (OpenFOAM), Ruby on Rails
Applied Mathematics and Physics: Aerodynamics, Plasma physics, Structural Analysis

PROFESSIONAL
SKILLS

- **Programming Languages:** Java, C#, Ruby, C++, Javascript
- **Frameworks, libraries and tools:** Java Concurrency, JMS, NMS, ActiveMQ, JMX, Batis, Spring, Spring MVC, Maven, Nuget, Ant, JUnit, NUnit, Quartz
- **DB:** PostgreSQL, Riak
- **IDE:** In love with IntelliJ IDEA but also familiar with Visual Studio with ReSharper and several editors such as Vim, TextMate and Sublime Text
- **VCS:** Git, Mercurial, Subversion
- **CFD:** SU2, OpenFOAM, ANSYS CFX, ANSYS Fluent, ANSYS Workbench, ANSYS Mechanical, ICEM, Gambit, Salome, CHEMKIN