

# DMITRY G. VIKTOROV

## Application Architect

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## Education

**M.S. in Computer Science, January 2009 - August 2010**

***University of Bridgeport, Bridgeport, CT, USA***

- Concentration Areas: Computer Communications and Networking, Wireless and Mobile Communications
- Research Areas: Voice over IP, Distributed P2P SIP Model
- Completed Ph.D. Teaching Requirement and Comprehensive Exam
- Member of Upsilon Pi Epsilon Honor Society

**M.S. in Computer Information Systems, September 2002 - June 2008**

***Kazan State University, Kazan, Russia***

- Concentration Area: Applied Mathematics and Informatics
- Research Area: Text Mining Employing Information Retrieval Thesauri
- State Qualifications: Mathematician, System Programmer
- Graduated with Honors

**M.S. in Telecommunications and Network Engineering, September 2004 - April 2008**

***Povolzhskaya State Academy of Telecommunications and Informatics, Samara, Russia***

- Concentration Area: Communication Networks and Commutation Systems
- State Qualification: Network Engineer

**Diploma in Telecommunications and Network Engineering, September 1998 - March 2002**

***Electrotechnical College of Communications, Kazan, Russia***

- Concentration Area: Communication Networks and Commutation Systems

## Work Experience

### Digital Platform Architecture Principal, September 2016 - Present

**Accenture, El Segundo, CA, USA**

- Designing platform architecture solutions and leading their implementation.
- Applying digital architecture principles and standards to maintain a highly collaborative environment.
- Evaluating new technologies and staying up-to-date with the industry trends and developments.

### Sr. Java Software Engineer, August 2013 – September 2016

**FOX Sports, Los Angeles, CA, USA**

- Designing architectural parts of [www.foxsports.com](http://www.foxsports.com) based on Adobe CQ/AEM platform with full responsive design adapted for desktops, tablets and mobile devices.
- Participating in active development of the OSGi/AEM services, REST API feeds, and Web Java/Spring applications for user interaction, and exporting, importing, and processing content.
- Designing the AEM cluster model, setting up Akamai and dispatcher caching, profiling AEM, and optimizing responses based on Google PageSpeed recommendations.
- Designing and implementing the solutions for AEM customization and adaptation for the editorial workflow.
- Establishing principles of release automation and test-driven environment based on Jenkins and Ansible/Groovy scripts for deployments and solutions for front-end and back-end integration and core tests.
- Designing the architecture and deploying the server instances in Amazon Web Services cloud (AWS) for development and production environments via CloudFormation templates and Ansible playbooks.
- Implementing content flow pipelines based on SnapLogic Cloud Integration Platform.
- Designing the web security model and development practices based on the recommendations of Open Web Application Security Project (OWASP).
- Handling regular onsite and remote code reviews with post and pre-commit flows.

### Sr. Java Software Engineer / Team Lead, July 2010 - July 2013

**EPAM Systems Inc, Newtown, PA, USA**

***February 2012 - July 2013: Consultant at Consumer Reports, Yonkers, NY***

- Maintaining the generic Java/Spring website of [www.consumerreports.org](http://www.consumerreports.org) and transferring it into the Adobe CQ platform (versions 5.4, 5.5).
- Leading the development of the mobile version of the website with responsive design based on the Adobe CQ platform.
- Communicating with the client to define specific product requirements.
- Taking responsibility for the software engineering and architecture.
- Leading a team of 4 offshore Java developers.

***June 2010 - January 2012: Consultant at eHarmony Inc, Santa Monica, CA***

- Maintaining and extending the website of [www.eharmony.com](http://www.eharmony.com) with the use of Struts and Spring frameworks.

- Developing a subsidiary project based on event-driven service-oriented architecture (SOA) with a variety of J2EE technologies: RESTful, Spring (MVC, Webflow, Integration), JMS, Hibernate, Solr/Lucene, Voldemort.
- Analyzing and developing the robust testing environment for Java/Groovy integration tests.

**Graduate Teaching Assistant, September 2009 - May 2010****University of Bridgeport, Bridgeport, CT, USA**

- Preparing and giving lectures and tests for graduate and undergraduate students in Introduction to Computer Science, Fundamentals of Algorithms, and Java Programming.
- Grading students' tests, assignments, laboratory work, and projects.
- Holding regularly scheduled office hours to assist and advise students who need additional help.

**Java/C++ Software Engineer, July 2006 - July 2008****Eyeline Communications Inc, Kazan, Russia**

- Participating in the collaborative construction of J2EE applications for cell phone carriers (client-server software for information and entertainment services via Text Messages and USSD).
- Developing and debugging program code based on the constructed architecture using Java and C/C++ languages.
- Developing administrative web-consoles using Java/HTML/Ajax/Flex technologies based on JBoss/Tomcat services.
- Searching and analyzing Java open-source libraries to apply them to the particular functions of projects.

**Laboratory Assistant (Part-Time), June 2005 - July 2008****N.G.Chebotarev Research Institute of Mathematics and Mechanics, Kazan, Russia**

- Developing the programming means for building of thesauri and thesaurus-aided text data mining.
- Presenting the research results in scientific conferences.
- Collaborating with other scientific communities with similar research areas.

**System Administrator, August 2004 - June 2006****Center of Economic and Legal Assistance, Kazan, Russia**

- Maintaining the computers and office equipment.
- Developing and maintaining the Local Area Network of 30 computers.
- Modeling and maintaining the Windows Domain Network using Fedora Core as a Domain Controller.
- Developing services and web-consoles using Perl/Bash/PHP/HTML languages for network purposes.

**Web Developer / Network Engineer, September 2002 - May 2003****Ecopharm Ltd, Kazan, Russia**

- Maintaining the computers, office equipment, and Local Area Network.
  - Developing the local website using PHP/HTML for the internal purposes, such as scheduling, chatting and document circulation.
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## Major Skills

### Languages

- Java (Certified by Sun Microsystems), Groovy, Perl, PHP, Bash, Python, C/C++, C#, Visual Basic, Delphi

### Software / Technologies

- J2EE, Servlets, JSP, Spring (Core, MVC, Webflow, Integartion, Batch), Struts, SiteMesh
- Adobe AEM/CQ, CRX, OSGi (Apache Felix), Apache Sling
- RESTful, SOAP
- Jetty, Tomcat, Apache, JBoss
- JPA / Hibernate
- HTML, CSS, JavaScript, AJAX (JQUERY/DOJO/ExtJS/JSON), NodeJS, Adobe Flex
- Maven, Gradle, Jenkins, Crucible, Sonar
- SVN, GIT, Mercurial, CSV
- Eclipse, SpringSource Tool Suite, IntelliJ Idea, Netbeans, MS Visual Studio
- Programming for Android
- Amazon Web Services (AWS), CloudFormation, Container Service, Docker, Lambda, S3, etc

### Databases / Data Stores

- Oracle, MySQL/MariaDB, Amazon Aurora, IBM DB2, Sybase, SQLite, HSCLDB
- MongoDB, CouchDB, Redis, Apache Solr, Voldemort
- SQL, PL/SQL, NoSQL

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## Certifications, Awards, and Trainings

- **Architect Enterprise Applications with Java EE, October 2014**  
*Oracle University, San Francisco, CA, USA*
- **Inducted into Upsilon Pi Epsilon Honor Society for the Computing Sciences, May 2010**  
*University of Bridgeport, Bridgeport, CT, USA*
- **High Performance and Parallel Computing for Computational Science and Engineering, July 2009**  
*Microsoft Research Summer School in Moscow State University, Moscow, Russia*
- **TOEFL and Academic English, July 2008 - October 2008**  
*Kaplan Aspect, Philadelphia, PA, USA*
- **Sun Certified Programmer for the Java 2 Platform 1.4, January 2007**  
*Thomson Prometric Center, Moscow, Russia*
- **Algorithmic Foundations and Computer Hardware, September 2000 - May 2001**  
*Kazan State University, Kazan, Russia*

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## Research Work

1. Dmitry G. Viktorov, Julius W. Dichter, "Efficiency Comparison of Blocking and Non-blocking TCP/IP Sockets using Java in Single and Multi-core Systems"  
*ISCA-ACC-2010, Orlando, FL, USA*
2. Dmitry G. Viktorov, Narendrakumar A. Barvaliya, Syed S. Rizvi, "Teredo Security Modernization"  
*ASEE-2009, Bridgeport, CT, USA*
3. Dmitry G. Viktorov, "Algorithms for Information Retrieval from the Description of Museum Exhibits"  
*TEL-2007, Kazan, Russia*
4. Dmitry G. Viktorov, "Thesaurus-aided Text Mining Algorithms for Information Retrieval"  
*ADIT-2007, Saratov, Russia*
5. Dmitry G. Viktorov, Vladimir V. Ivanov, "Construction Problems in Information Retrieval Thesauri"  
*EVA-2006, Moscow, Russia*
6. Dmitry G. Viktorov, Vladimir V. Ivanov, "Information System 'Cultural Heritage of Russia'"  
*EVA-2005, Moscow, Russia*