DENIS RYSTSOV

Status in USA
H1B

Email
rystsov.denis@gmail.com

Address
115 Warren Ave N apt. 311
98109 Seattle WA USA

EDUCATION

M.Sc, Applied Math and Computer Science
Saint-Petersburg State University, Saint-Petersburg, Russia
Date of Graduation: May, 2010

MISC

Programming blog about distributed systems
http://rystsov.info

LinkedIn account
http://www.linkedin.com/in/rystsov

EXPERIENCE

Amazon.com
Software engineer — since 10/2014

Amazon.com is the largest Internet-based retailer in the United States. I'm a part of the Checkout team where I with my peers are responsible for high risk customer facing part (checkout) of the retail website.
Technology stack: large scale SOA, reliable systems, web-development with JavaScript & Java.

Grid Dynamics
Software engineer — 9/2013-4/2014

Grid Dynamics is focused on massively scalable e-commerce platforms and services. It has Macy's and Raleys among customers. I was part of the big data department and helped to design a new data processing workflow to migrate OLAP from Oracle to Hadoop.
Technology stack: Java, Hadoop stack (HDFS, Hive).

Yandex
Software engineer — 5/2011-8/2013

Yandex is ranked as the 4th largest search engine worldwide and it's bigger than Google in Russia. I was a part of the department of statistics and the infrastructure services department. Designed external transaction processing for a distributed key-value storage.
Technology stack: Java, Python, internal MapReduce-like system.

Smart media — Web developing with C# — 2010-2011

ACTIVITIES / PET PROJECTS

Participated in the Papers We Love meetup both as a listener and a speaker. Papers We Love is a community of the practitioners who love to read academic papers in order to know how to solve problems they meet in the industry.

Created visualizations of distributed protocols (like **Percolator** and **RAMP** transactions) to practise new programming skills and to learn how to explain complex ideas in a understandable way.

Developed an algorithm to normalize math formula and built **uniquation.com**, a math search engine on top of it. The normalization algorithm supports commutativity and α-equivalence what gives more accurate search results compared to the competitors. Project is frozen.

Gave a talk about Parsing Expression Grammars on the **"Application Developer Days - 2"** two day conference in Saint-Petersburg (2011).

INTERESTS Distributed systems, data processing and infrastructure development

HOBBIES Traveling, hiking, unicycling and surfing