
Dmitry Ratnikov <ratnikov@gmail.com>

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EDUCATION

Illinois Institute of Technology:

Bachelor of Science in Computer Science

August 2003 - December 2007

Bachelor of Science in Physics

August 2003 - December 2007

WORK EXPERIENCE

Web Developer at Webitects, Inc

February 2008 - Present

- Lead developer for www.communitycollab.org social networking portal.
- Maintaining Subversion and Git code repositories.
- Maintaining a small number of VirtualBox staging servers.

INTERNSHIPS

Fermilab Computing Division

May 2006 - August 2006, May 2007 - August 2007

- Created TablePlotter web interface to generate statistics plots of database data using Tomcat JSP implementation.
- Used Google Web Toolkit to implement the client interface.

Argonne National Laboratory

August 2005 - May 2006

- Conducted research on applicability of aspect-oriented design practices to MySQL database patching.
- Conducted an evaluation of FroNTier Distributed Database project usage in the ATLAS experiment at CERN.

SKILLS

Web development:

- Ruby on Rails:
 - 15 months of rails work experience.
 - Have had a patch accepted by Rails core.
 - Extracted and customized various rails plugins and gems.
 - Proficient with ruby core language.
- Javascript:
 - Proficient with jQuery library.
 - Highly proficient with unobtrusive javascript techniques.
 - Developed `ajax_resource` javascript library, a javascript implementation of REST resources (http://github.com/ratnikov/ajax_resource/tree)
- Testing:
 - 10 months work experience of Test Driven Development using Shoulda testing framework.
 - Extended Shoulda to utilize `setup - evaluate - check/should` workflow.
 - Utilized cucumber (webrat + selenium) for integration testing.
 - Javascript unit testing using QUnit.
- Highly proficient with RESTful web application design.
- Used Sphinx for website text-search of www.communitycollab.org.
- Used both Mongrel cluster and Passenger deployments.

Other:

- Proficient using Git and Subversion.
- Long time Linux developer (Ubuntu, Archlinux, Redhat).
- Experienced with MySQL and SQLite3 databases.
- 4 years of Java experience.
- 7 years of C++ experience.