

Alexander Polovtcev

Developer

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EDUCATION

2012 – 2014 **Master's Degree *magna cum laude* in Software Engineering**, Department of Computer Systems and Software Engineering, Saint-Petersburg State Polytechnical University, Russia.

— MASTER THESIS

title *Instrumentation Environment for Program Analysis*

description Software system for program characteristics analysis and visualization based on language-independent metamodel. Developed prototype supported several visualization types (CFG view, UML class diagrams) and simple metric calculations for programs written in Java and C.

2008 – 2012 **Bachelor's Degree *magna cum laude* in Software Engineering**, Department of Computer Systems and Software Engineering, Saint-Petersburg State Polytechnical University, Russia.

— UNDERGRADUATE THESIS

title *Development of Hardware and Software Tools for Mobile Testing System*

description Development of some tools for an existing mobile system for testing uncommitted logic arrays including test loading hardware and GUI.

EXPERIENCE

RESEARCH & DEVELOPMENT

Sep 2014 – **Saint-Petersburg State Polytechnical University**

now *Development of enterprise information system.*
Business-process logic and front-end developer.

Jan – Aug 2014 **Saint-Petersburg State Polytechnical University**

Project on dynamic analysis tool based on program trace visualization.
Developer of program code instrumentation system.

Oct – Nov 2013 **Saint-Petersburg State Polytechnical University**

Development of trace log analysis and visualization tool.
Developer.

Oct 2012 – **Saint-Petersburg State Polytechnical University**

Aug 2013 *Development of DSL translator for describing function semantics.*
Developer.

PERSONAL SKILLS

Operating Systems

Linux, Windows

Programming Languages

Proficient C++, Python, Java

Familiar C, Bash, SQL

Basic Scala, Lisp, Erlang

Platforms and Frameworks

Java SE, Java EE, Arquillian, JUnit, Django, ANTLR

Tools

VCS Mercurial, Git

Build Systems Maven, Make

Databases PostgreSQL, Apache Derby, MongoDB

Office

L^AT_EX, LibreOffice

LANGUAGE SKILLS

Russian Native

English Fluent

MISCELLANEOUS

Linkedin ru.linkedin.com/pub/alexander-polovtcev/80/829/627/

HeadHunter <http://spb.hh.ru/resume/cb1143fdff022f58ed0039ed1f6f4a5a43484c>

GitHub <https://github.com/Snowball1239>

BitBucket <https://bitbucket.org/Snowball1239>

PUBLICATIONS

CONFERENCE TALKS

2014 Aleksandr Polovtcev, Tatyana Krikun, Tatyana Vert, Aleksey Zozulya, Vladimir Itsykson. *Visualization of parallel program execution for software behavior analysis and defect detection* // CEE-SECR '14 Proceedings of the 10th Central and Eastern European Software Engineering Conference in Russia // Article No. 24 // ACM New York, NY, USA ©2014 // ISBN: 978-1-4503-2889-0