

# Alexander Lopatin

## Software Engineer

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## 1. Skills

- **programming**
  - C, C++, Objective-C: Qt, Marmalade (aka AirPlay), internal commercial frameworks and engines experience, **JNI**, basic knowledge of OpenGL ES 2.0
  - Java (**Android**): GUI, networking, parsing, databases, services, multithreading, filesystem, etc.
  - **Python** and UNIX **shell/bash** scripting; a little experience with Perl and Lua
  - SQL (base knowledge, relational model database design) as SQLite, MySQL and PostgreSQL
- **favorite tools**: vim, git, ssh, GNU **coreutils** and other command-line tools, tmux/screen, travis, clang/clang++, gdb/lldb, valgrind, make/cmake/qmake/sbt, **Gentoo GNU/Linux**, **L<sup>A</sup>T<sub>E</sub>X**
- **non-favorite tools**: ant/nant, svn/Perforce, Xcode/Visual Studio/Eclipse, Windows
- **other**: internal commercial tools, appveyor, gcc/g++, OS X, JIRA/DevTrack/Bugzilla/whatever and **tons** more

## 2. Huge Interest

- GNU/Linux
- Free/Libre and Open Source Software development
- Functional Programming (Haskell, **Scala**)
- Concurrency/**Multithreading**/Parallel/**Distributed** Computations
- **Reactive** Programming

## 3. Professional experience

### Software Engineer II at **Electronic Arts (EA)**

June 2015—present, Saint Petersburg (Russian Federation)

### Software Engineer I at **Electronic Arts (EA)**

September 2012—May 2015, Saint Petersburg (Russian Federation)

Mobile game apps development: generally porting and debugging

- **SimCity BuildIt. Android** and **iOS**: debug, platform-specific features implementation, telemetry events
- **Tetris Blitz. Android** and **WP8**: common and platform-specific issues debug, downloadable content system (APK Expansion Files) improvement, merging branches with large differences. Google Analytics, AdMob/DoubleClick and IMA advertising integration
- **Real Racing 3. Android**: debug (GUI, network, memory management, device-specific issues, common bugs). Improved interaction with OS

### Junior Software Engineer at **SPL**

January 2012—August 2012, Velikiy Novgorod (Russian Federation)

Mobile game apps development and porting (iOS, Android, BlackBerry, J2ME, etc.)

- **Phineas and Ferb: Time Travelers**. Debugging and porting to different J2ME devices
- **Panda Blair! iOS**: additional game features development, debug Porting to **Android** and **BlackBerry**

### Junior QA Engineer at **SPL**

September 2011—December 2011, Velikiy Novgorod (Russian Federation)

J2ME-applications manual testing. Internal activity automation with **UNIX shell** and **Python** scripting

## 4. Education

- 2005—2009 Polytechnic College of Novgorod State University, “Computer and Automatic Systems Software”

## 5. Other information

- transparent collaboration
- written and verbal communication skills (English and Russian)
- business trips experience (Finland)
- new technologies fast learner, excited about video courses (coursera, edx, etc.)
- passed a military service in Russian Armed Forces