Alex Denisov

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Software should be beautiful. Both inside and outside.

Projects

Commercial Projects

Blacklane https://itunes.apple.com/us/app/blacklane/id524123600
Client app for the Blacklane customers.
Introduced Unit Testing.
Implemented event tracking to understand the users better.
Constantly improving maintainability of the code base.

Talendo https://itunes.apple.com/us/app/talendo-jobborse-und-stellen/id763634231
Job-search portal for German market.
Helped a designer to improve mockups and overall user-flow.
Developed API specifications for backend team.
Developed the app from a proof of concept to the AppStore.
Set up beta testing via Enterprise Distribution.

OpenSource Projects

Clang http://clang.llvm.org
C/C++/Objective-C compiler.
Extended Objective-C's boxed expressions to accept C structures and unions.
Implemented new warning for Objective-C.
Fixed couple of bugs.
Committer since Feb, 2015.
My contribution:
https://github.com/llvm-mirror/clang/commits?author=AlexDenisov

Mutang (WIP) https://github.com/AlexDenisov/mutation-testing-poc
LLVM-based mutation testing system.
So far I implemented just a proof of concept.
I work hard on a production version of the tool.
Here is the idea explained:
http://lowlevelbits.org/llvm-based-mutation-testing-system/

Components https://github.com/AlexDenisov/Components
Makefile-based approach to manage dependencies.
http://lowlevelbits.org/components-management/

Gitlab https://about.gitlab.com
Web-based Git repository manager.
Implemented a few missing features.
Fixed a few bugs.
My contribution:
https://github.com/gitlabhq/gitlabhq/commits?author=AlexDenisov

Experience

Sep 2014 - Present **iOS developer**, *Blacklane, Berlin, Germany*,
https://blacklane.com.
Maintaining existing apps: implementing new features, fixing bugs.

May 2013 - Aug 2014 **Software engineer**, *Railsware, Kiev, Ukraine*,
http://railsware.com.
Assessment of requirements for software development and time estimation.
Taught backend developers how to write iOS apps and learned from backend developers how to write backends.

Oct 2012 - Mar 2013 **iOS developer**, *Stanfy LLC. Kiev, Ukraine*,
http://stanfy.com.
Assessment of requirements for software development and time estimation.
Software development.

Feb 2011 - Oct 2012 **iOS/RubyOnRails developer**, *MLSDev LLC. Donetsk, Ukraine*,
http://mlsdev.com.
Assessment of requirements for software development and time estimation.
Software development. Web-services deployment and support.

Aug 2010 - Feb 2011 **C++/Qt developer**, *WiseTroll (Sole Proprietorship). Donetsk, Ukraine.*
Assessment of requirements for software development and time estimation.
Software development.

Technical Skills

Languages Objective-C, C++, Bash, Perl, Scala, OCaml
VCS Git, SVN, Mercurial
OS OS X, Linux (Debian), FreeBSD
Techniques TDD, XP, Scrum, Kanban

Education

University

Oct 2006 - Dec 2011 **Software Development**, *Computer Academy "Step", Donetsk, Ukraine.*
Team member, represented Ukraine at the final of ImagineCup'10 at Poland.

Sep 2006 - Jul 2010 **Management of Organizations, Bachelor**, *Open International University of Human Development "Ukraine".*

MOOCs (Coursera)

Jan 2016 - Mar 2016 **Synapses, Neurons and Brains**,
Learned basics about how our brain works,
https://www.coursera.org/learn/synapses/.

Sep 2015 - Nov 2015 **Automata**,
Learned a lot about automata, regular languages, grammars etc.,
https://www.coursera.org/course/automata.

Apr 2015 - Jun 2015 **From Nand to Tetris / Part I**,
Learned basics of logic circuits. Implemented Assembler for a 'toy' machine,
https://www.coursera.org/course/nand2tetris1.

Sep 2014 - Nov 2014 **Functional Programming Principles in Scala**,
Learned basics of functional programming.,
https://www.coursera.org/course/progfun.

Public Activity

Speaking

FOSDEM **How to use LLVM C API with Swift**.
2016 Link: https://fosdem.org/2016/schedule/event/llvm_c_swift/

Mobile **Magic Behind Xcode**, *Compilation*.
Warsaw Slides: https://speakerdeck.com/alexdenisov/magic-behind-xcode

CocoaHeads **Compilation Process**, *How a program is born*.
Berlin Slides: https://speakerdeck.com/alexdenisov/compilation-process

CocoaHeads **BloodMagic**, *Custom property attributes for Objective-C*.
Berlin Slides: https://speakerdeck.com/alexdenisov/bloodmagic

On the Internet

Blog http://lowlevelbits.org

GitHub https://github.com/AlexDenisov

LinkedIn http://www.linkedin.com/pub/alexey-denisov/2a/bab/a29