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About Me

I am a skilled software engineer with experience in optimized back-end systems and front-end applications with high-quality user experience. Worked on projects like authorization systems, payment terminal software, backup and recovery solutions, custom graphical interfaces using Cocoa and Cocoa Touch, geo-locational services and clients as well as 3D visualizations using OpenGL and font rendering with FreeType among others. Expert in Swift and Python, very experienced in Objective-C, C and C++. A natural quick learner with excellent R&D skills. Routinely finding and using new technologies for quick prototyping. Able to quickly reach expert-level knowledge of a new technology for production use. Very passionate about creative software solutions that involve designing problems out of existence and addressing domains of problems rather than cherry-picking and patching up specific issues. Desired work environment is one where innovation and creativity are welcome and where employees can reach their full potential unimpeded. A great team player that appreciates giving and receiving constructive criticism. Spoken languages include fluent English, Armenian and Russian.

Highlights

- 8+ years of commercial software development experience.
- Expert knowledge of Swift and Python and very good knowledge of Objective-C, C and C++.
- Experience in macOS, iOS, Linux, Windows, and cross-platform development.
- Excellent skills in software design and architecture development.
- Substantial experience in codebase maintenance and improvement.
- Ability to quickly find reliable solutions in unfamiliar fields.
- Ability to rapidly and comprehensively learn new technologies.
- Attention to software quality without going out of scope.

Skills

Swift, Python, Objective-C, C, C++, Bash (POSIX Shell), Regex, XML, YAML, JSON, SQL

Cocoa, Cocoa Touch, OpenGL, FreeType, pthreads, STL, Boost, Xlib, WinAPI

CocoaPods, Swift Package Manager, Waf, Make, CMake

Xcode, Sublime Text, Clang, Eclipse, GCC, Cygwin, Microsoft Visual Studio (MSVC)

Git, Subversion

macOS, iOS, GNU/Linux, Windows

Experience

Yandex LLC
Software Engineer

MOSCOW, RUSSIA
08/2016 – 05/2017

<u>Realtime Data Team of Geo-Services Department</u>
- ❖ Design and implementation of in-house geo-locational data evaluation tools on iOS.
- ❖ Prototyping user-facing geo-locational application features.
- ❖ Extending the static data processing back-end.
- • Swift, CocoaPods, Cocoa Touch, YandexMapKit, Git, Xcode, macOS, iOS, Python.
- ✓ Developed in-house tools for evaluating and refining geo-locational data.
- ✓ Prototyped new features for geo-locational iOS applications.
- ✓ Enriched the accuracy and availability of geo-services by implementing extensions to the static data processing back-end.

Mechena Corporation
Software Engineer

MOSCOW, RUSSIA; YEREVAN, ARMENIA
04/2013 – 11/2015

<u>Resource and Effort Tracking System</u>
- ❖ Design and development of system prototypes.
- • C, Objective-C, Swift, Git, Xcode, macOS, iOS, Cocoa, Cocoa Touch.
- ✓ Developed macOS and iOS prototypes for various parts of the system.
- ✓ Contributed to the data storage and transmission protocol design.
- ✓ Designed experimental data synthesis algorithms.
- ✓ Did technology research for the first prototype.

Experience

Megapay Inc.
Software Engineer

MOSCOW, RUSSIA
07/2012 – 01/2013

Payment Terminal Client and Server Software
- ❖ Development of banking transaction integration software for payment terminal.
- • C, C++, Subversion, Microsoft Visual Studio, Poco C++ Libraries.
- ✓ Implemented payment terminal's cash scanner and hopper drivers.
- ✓ Collaboratively designed payment transaction protocol extensions.
- ✓ Developed both the client-side and server-side implementations for the experimental banking transaction protocol extensions.

Acronis
Software Engineer

MOSCOW, RUSSIA
05/2011 – 06/2012

Acronis Backup and Recovery
- ❖ Development and maintenance of backup and recovery client software.
- • Python, C/C++, Windows, Eclipse, Microsoft Visual Studio, Subversion.
- ✓ Developed a tool to view internal data (logs and other database records).
- ✓ Fixed a number of bugs in the UI of the client software.
- ✓ Implemented the UI of new functionality of the client software.

Allied Testing
Software Engineer

MOSCOW, RUSSIA
04/2010 – 05/2011

Thomson Reuters AAA System
- ❖ Maintenance and automation of routine tasks of the user authorization system.
- • SQL, Shell Scripts, VBA, Windows, Sun OS, MS SQL, Sybase.
- ✓ Maintained and automated tasks in client databases in testing and production environments.

Experience

Measurement Technology Development Institute
Intern

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Moscow, Russia
09/2008 – 05/2009

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Measurement Instrument Software
- ❖ Measurement instrument software maintenance.
- ✓ Localized measurement instrument software from Japanese vendor.
- ✓ Set up and organized network hardware for the office building.

Education

Moscow State College of Information Technology
Certificate of vocational education in computer science (2004 – 2009)