

Dustin Swan

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(312) 608-2957

Passionate Software Engineer with eight years of experience architecting, implementing, and shipping secure, cross-platform applications. Proficient in functional and object-oriented programming paradigms; delivering clean, maintainable codebases; utilizing modern, full-stack, web technologies.

LANGUAGES & APIS *Expert in* JavaScript ES6, HTML5, CSS, AJAX, REST, WebRTC, WebSockets
Comfortable with Elm, Haskell, Python, Ruby, PHP, Lisp, Bash
Past experience with C, C++, Objective C, Java

LIBRARIES & FRAMEWORKS jQuery, Underscore/lodash, React, RxJS, AngularJS, Grunt, Jasmine, LESS/Sass/SCSS, Rails, Node.js, Express, Sails.js, Qt, PhoneGap

SOFTWARE & SERVICES *OS & Tools:* Linux, Mac OS X, Vim, Emacs, Xcode, Eclipse, Microsoft Office
Databases: MongoDB, MySQL, PostgreSQL, SQLite, ODBC
Version Control: Git, Perforce, Subversion
Services: Github, Heroku, AWS

EXPERIENCE *Software Engineer* 2009 - Present
IOCOM Integrated Communications, Chicago, IL

- Worked closely with backend developers and QA engineers to create a cross-platform, web-based video conferencing application suite.
- Efficiently designed & developed the video conferencing single-page JavaScript application and UI
- Programming & maintained the iOS PhoneGap application
- Developed & maintained the PHP server management web pages
- Implemented a WebRTC audio & video web application and JavaScript API
- Created an in-house JavaScript framework for automated application testing
- Continually refactored existing codebase for maintainability and reliability, utilizing modern practices and standards

Validation Engineer 2007 - 2009
Abbott Laboratories, Abbott Park, IL

- Managed projects and assembled cross-functional teams to construct change plans and assess product impact
- Authored changes to testing documentation and product design records
- Processed changes to quality system and product documents to comply with medical device regulatory requirements
- Programmed automated testing control procedures using the Laboratory Information Management System (LIMS)

EDUCATION *Bachelor of Science* 2007
University of Illinois at Chicago (UIC), Chicago, IL
Major: Bioengineering
Minors: Computer Science & Mathematics

COURSEWORK *Math:* Calculus I - IV, Differential Equations, Linear Algebra
Comp. Sci.: Algorithms, Languages and Automata, Data Structures
Electronics: Pattern Recognition, Signal Analysis, Discrete Continuous Signals & Systems
Biology: Modeling Physiological Data & Systems, Bioinformatics, Biostatistics, Bioinstrumentation, Genetics, Biomaterials