

AARON WILSON

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SUMMARY

A creative problem solver with a proven track record building mobile and web applications. A technically proficient software developer with multi-industry experience, specializing in design oversight, new feature implementation, troubleshooting and maintenance, data warehousing, reporting and analytics, and hardware engineering. Excels at implementing complex concepts and achieving the overall vision by utilizing up-to-date industry knowledge. Applies a wide range of languages and techniques to address key business goals. A driven and savvy producer who manages technical projects essential to an organization's lasting output and market competitiveness.

TECHNICAL SKILLS

Programming Languages: Objective-C, Swift, Java (Android, Processing, Kotlin, Groovy), C/C++, PHP, Python, JavaScript, HTML, CSS, SQL

OS: iOS, WatchOS, Android, OSX, Windows, Linux

IDE: Xcode, Interface Builder, Eclipse, Sublime Text, Atom, Intelli-J IDEA, Visual Studio, Xamarin, Processing, vi, nano, gcc

Database: MySQL, PHPMyAdmin, CoreData, SQLite

Design UI/UX: Adobe Creative Cloud Suite, Balsamic, Visio, SketchUp, GTK, SwiftUI

Project Management: Atlassian/Jira, Trello, CodeBase, BaseCamp. Familiar with Agile/Scrum/Kanban approach.

Continuous Integration: Jenkins, Selenium, Test Driven Development

Version Control: Git, Subversion

Virtual Environments: AWS, Virtual Box, Vagrant, Docker, HomeBrew

Web: WordPress, Magento, Bootstrap, React, Ember, JQuery, Flash, Action Script 3.0, Flex

Microcontrollers / IOT: Arduino/Teensy, Raspberry Pi, ESP, Rabbit MCU

EXPERIENCE

SPECTRADYNAMICS INC, Louisville, Colorado, spectradynamics.com
Senior Software Engineer, 2019 - Present

- Tasked with building a touch screen user interface for an Atomic Clock. Funded through DARPA grants, but ultimately to be productized and sold commercially.
- Worked closely with engineers and physicists to integrate with the clock's hardware systems.
- Wrote low level C code for the main controller CPU, and C/C++ code for a native frontend that communicates with the other systems using UART.
- Realtime plotting and graphing of the status of the internal physics package.

HURON CONSULTING GROUP/MYROUNDING, Denver, Colorado, myrounding.com
Senior Software Developer, Healthcare Software Group, 2014-2018

- Acted as lead mobile developer. Oversaw design, creation, and ongoing maintenance of the *MyRounding* iPhone and iPad applications among several others.
- Managed and trained small team of mobile developers.
- Architected API consuming and providing app data.
- Published software to Apple App Store and pushed backend releases to Amazon Web Services.

- Worked closely with Customer Experience and Sales teams to prioritize and schedule addition of new features and bug fixes.
- Planned Agile sprints while maintaining responsibility for achieving deadlines and major milestones.
- Developed flagship product for small software start-up. Worked to scale SAAS application to 1,000-plus hospitals in US and tens of thousands of paid users (with \$8,000,000 in annual revenue).
- Led my team in managing transition in leadership through acquisition.
- Cross-trained co-workers in iOS dev. Assumed responsibility for performing PHP, JS, and SQL work.

303 SOFTWARE, Denver, Colorado, 303software.com
Lead Mobile Developer, 2011-2014

- Coding support on wide array of mobile applications for both iOS and Android.
- Guided requirements gathering. Created wire-frames and mock ups. Built new applications from scratch as well as debugging and optimizing existing apps.
- Architected and developed several enterprise tablet applications for aviation, healthcare, education, and banking industries.
- Defined services APIs, working closely with backend team (PHP, Ruby on Rails).
- Supervised small team of mobile developers applying Agile/Scrum process.

ZMOROMEDIA, Denver, Colorado
Lead Developer, 2007-2011

- Provided ActionScript 3.0 and Flex programming for web applications as well as Java and PHP development.
- Worked remotely part-time for 13 months while living in Southeast Asia.
- Developed eight mobile apps utilizing maps, push notifications, database integration, and cross-platform deployment.
- Created point-of-sale and web-administered digital signage software product based on AppleTV platform.
- Led architecture and development of three enterprise Flex web-applications, with systems performing personalized video training distribution, temporary worker administration, and repair and re-sale ticketing for medical imaging equipment.
- Designed and developed Flash website with mobile HTML5 version and Facebook application for Quiznos.

ENTREPRENEURIAL EXPERIENCE

APOLLOCOLORADO.COM Boulder, **Owner**, 2018 - present

Creation, fabrication and installation of large-scale interactive art exhibits. Recent exhibitions include *Telluride Fire Festival* and Denver Botanic Gardens' *Blossoms of Light*.

PIXELPLANE.ORG Boulder, **Co-Owner**, 2015

Created a hardware/software product for intelligent LED lighting and digital signage. Successfully funded through Kickstarter.

AUDIPIXEL.COM Boulder, **Co-Founder, Developer and Engineer**, 2009-2013.

Provided electrical engineering for lighting systems. Development of proprietary lighting software. Engineered and built 6,000-LED modular 3D light show for touring electronic act Tipper Sound Experience. Production support for numerous events around the country.

ADDITIONAL EXPERIENCE

FACTORY DESIGN LABS, Denver, **ActionScript Developer**, 2006-2007. Developed numerous award-winning flash websites and games for various companies including Audi, Oakley, Brine, Happy Madison Productions, Palmer Snowboards, and Airwalk. Served as primary technical liaison to creative team of art directors for Audi.

E-TRINSIC, Lafayette, **Interactive Designer/Developer**, 2005.

AEGIS CREATIVE COMMUNICATIONS, Louisville, **Animator and Flash Consultant**, 2004.

JOHN VEGA & ASSOCIATES, Boulder, **Senior Developer**, 2003.

ATLAS INSTITUTE OF CU, Boulder, **Webmaster**, 2001-2003.

THE GUERRILLA GROUP, Boulder, **Webmaster**, 1998-2001.

EDUCATION

UNIVERSITY OF COLORADO, Boulder, **Bachelor of Arts, Journalism - Broadcast Production**, 2004

ATLAS INSTITUTE OF CU, Certificate in **Technology Arts and Media**