

Aaron Wilson

432 South Lashley Lane, Boulder Colorado 80305 || (720) 291-8789

aaron@apollocolorado.com || ApolloColorado.com || [Linkedin.com/in/aaron-l-wilson](https://www.linkedin.com/in/aaron-l-wilson)

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, requirements gathering, new feature implementation, troubleshooting and maintenance, reporting and analytics, as well as basic electrical 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: Swift/Objective-C, Java JVM (Android, Processing, Kotlin, Groovy), RX/Combine, C/C++, PHP, Python, JavaScript, HTML, CSS, SQL

Operating Systems: iOS, WatchOS, Android, OSX, Windows, Linux

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

Database: Realm, CoreData, MySQL, PHPMyAdmin, SQLite

Design UI/UX: Adobe Creative Cloud Suite, Draw.io, Balsamic, SketchUp, GTK, SwiftUI, Jetpack Compose

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

Continuous Integration: Circle-CI, Jenkins, Selenium, Test Driven Development, Unit Tests

Version Control: Git, GitHub, Bitbucket, Subversion

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

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

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

Design Patterns: MVC, OOP, MVVM

EXPERIENCE

CONCISE ENGINEERING, Tampa, Florida (REMOTE), concise-engineering.com

Senior Software Engineer, 2022 - 2023

- Lead mobile developer for companion iOS app to hearthero.com AED (defibrillator)
- Architect for back-end REST API and cloud data warehouse, all calls exemplified in Postman
- BLE (Bluetooth Low Energy) protocol for fast and secure direct data transfer between iOS and AED hardware
- Authored detailed Software Requirements that trace directly to Validation and Verification procedures

VELENTIUM, Lafayette, Colorado & Katy, Texas (REMOTE), velentium.com

Senior Software Engineer, 2020 - 2022

- Contributor to a variety of Medical Device projects such as AEDs, insulin pumps, and neuro-stimulation implants
- Worked on embedded systems firmware to implement wireless protocols (LTE and BLE)
- Electrical systems troubleshooting and in-the-field debugging
- Porting mobile applications from Android to iOS and vice versa

SPECTRADYNAMICS INC, Louisville, Colorado, spectradynamics.com

Senior Software Engineer, 2019 - 2020

- 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 the back end team (PHP, Ruby on Rails).
- Supervised small team of mobile developers applying Agile/Scrum process.

2MOROMEDIA, Denver, Colorado
Lead Developer, 2007-2011

- 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.

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.

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**