

CREATIVE SOLUTION DEVELOPER

Wide range of experience programming and leading teams in the development of software. Provided solutions in differing company roles including W-2 employee, consultant, contractor and business owner.

SELECTED ACCOMPLISHMENTS

- Wearable Bluetooth medical device and associated app: Extensively researched, architected, and coded iOS app in Swift.
- Designed and programmed three end to end solutions incorporating front end website, iOS and Android apps, app web services using PHP/MySQL, and SMS/email/telephone communications to customers.
- Developed and published iPhone and Android applications integrated with Facebook, Google+, and Twitter SDKs.
- Built and maintained a variety of websites using HTML, CSS, JavaScript, and extensive PHP.
- Managed development team of engineers to completely redesign automated fruit labeling system. Personally developed touch screen interface software including touch screen based label designer, and embedded machine code.
- Founded and built start-up network based security camera systems company from zero to \$15M in annual revenues over a three year period.
- Led development of game changing distributed scalable video web server products that made large scale geographically dispersed hardware appear and function as one system, greatly adding value to video security users.

TECHNICAL SKILLS

Programming Technologies: Swift, Objective C, PHP, Java, HTML, CSS, JSON, Java Script, Zend Framework, C# ASP.Net, C++, Python, VB, SQL, REXX, many others.

Code APIs/SDKs: iOS SDK, Android SDK, Facebook SDK, Google+ Platform, Twitter SDK, Java SE API, .Net (dot Net)

Software Tools/IDEs: Xcode, Eclipse, Android Studio, GIT, JIRA, Visual Studio, Xamarin.

Platforms: Android, iPhone/iPad, PC, Macintosh, Bluetooth Low Energy (BLE), Arduino, Linux, Robotic Controllers

Firmware: AVR Studio, TI DSP, ATMega.

Robotics: Extensive PLC and Ladder Logic coding, Denso Controllers, CoolMuscle, CLICK controllers.

Circuit Board Development: Eagle PCB, OrCAD.

CAD/CAM: Solidworks, CAMWorks, COSMOSWorks,

Office Tools: MS Office suite, Open/LibreOffice suite, MS Project, Open WorkBench, Quickbooks.

EDUCATION & PROFESSIONAL CERTIFICATIONS

Bachelor of Science in Business Administration, University of Wyoming, Laramie, Wyoming

California Licensed Contractor/Qualifying Individual: B (general), C-7 (low voltage)

Microsoft Certified Solution Provider (expired)

PROFESSIONAL EXPERIENCE**Icon Mobile**, Santa Monica, California,
Senior iOS Developer (Contract)2015-Present
iconmobile.com

Medical Wearable Bluetooth App and Hardware:

- Developed 40 screen iOS app, completely in Swift.
- Integrated app with Bluetooth Low Energy wearable device that performed proprietary body measurements using GATT profile, Hands Free Profile and iOS Core Bluetooth library.
- Researched and configured Bluetooth testing hardware.
- Tested and evaluated device including upgrading firmware.

Jenev Holdings LLC., Los Angeles, California,
Head of Software Development2013-2015
swapmees.com

First technical hire at app startup. Accomplishments included:

- Working from wire frame, designed system architecture and coded iOS app and server backend.
- Designed and coded both sides of extensive web services architecture from scratch using LAMP stack on the server and Objective C on the iOS client.
- Designed and coded Apple Push Notification server.
- Oversaw the implementation of company managed server including Wordpress front end website, Zend Framework backend management website, RESTful app server API, and multiple APN servers.
- Set up all technical company accounts and business processes including source code management (GIT), project management and issue tracking (JIRA), managed cloud services (RackSpace), email (1and1), developer accounts at Facebook, Google+, Twitter, and Apple.
- Personally managed all aspects of Apple developer account, including developer and app digital rights and signatures, setting up app provisioning profiles for ad-hoc development with over 150 testers spread out over two Apple developer accounts, and submitting apps to the app store for approval for sale.
- Hired and led four other developers.

Freelance Software Development, Santa Monica, California,

2010-2013

Collaborated with two design/creative companies working on various software projects:

- Google Maps API location based messaging program including extensive use of iOS active (app in foreground) and passive (app in background) location services APIs to alert user when they enter and exit tagged locations.
- IOS and Android smart phone app/web front end and back end application to facilitate consignment sales using iOS, Android, PHP, Java Script technologies.
- PHP/Java Script based custom client area for user cloud based file collection and distribution to clients.
- IOS and Android smart phone promotional app using audio responses to user typed questions. Included direct app to Facebook and Twitter integration.

Service Machines Inc., Los Angeles, California,
President2005-2010
servicemachines.com

Founded and funded company to develop and capitalize on intelligent robotic technologies which evolved into providing automation solutions for local manufacturers. Built infrastructure and managed team of up to 10 engineers in the design and prototyping of complex mechanical, electronic and software solutions.

Projects included:

- Crack detection machine vision software to ensure part quality written in C#.
- Vibratory dental cleaning instrument.
- Robotic Development Kit (a million dollar development project) with Java based firmware.
- Fruit Labeling Machine with C# based kiosk controller.
- Ball bearing lubrication work cell with C# based touch screen controller.
- Java based machine vision software library.

Progressive Systems LLC, Birmingham Alabama, 1998-2002

Founder/CEO/CTO/Controlling Partner

Founded company that developed Network Video Server technology for public schools (K-12) and childcare industries. Accomplishments:

- Developed hardware and software for distributed scalable video web server products, including custom TI DSP based PCI cards, VB based custom web server with server side scripting.
- Revolutionized video system maintenance by developing VB based automated 24 hour monitoring operations, actively checked the status of 2000+ servers and 40,000+ cameras every 10 minutes.
- Oversaw installation operations as primary contractor in 40 US states over a three year period. Was licensed General Contractor in over 5 states including California.

COMSYS, Birmingham Alabama,
Consultant

1997-1999

Performed contract programming services for BellSouth Public Communications.

- Programmed sales reporting tools and core business applications in an Oracle server/PC workstation environment for a Fortune 500 telecommunications company including extensive SQL development.
- Developed sales reporting tool based on multiple user input criteria.
- Programmed SQL coding tool to develop complex SQL queries.

Southern Computer Systems, Birmingham Alabama,
Application Developer

1997

Programmed document solutions for large paper/data processing customers.

- Developed and performed on-site implementation of image based 400 user remit processing system for the Georgia Department of Labor.