

## **Summary**

Experienced software craftsman with a strong background in iOS and distributed, asynchronous system design and development.

Rapid problem analysis with the ability to work with clients and end users in developing and refining requirements. Good grasp of how each piece fits in with client's overall goals and needs and help them balance technical excellence with business objectives. Experienced and comfortable with agile development methods. Ability to learn and integrate new techniques, tools, and skills quickly. Able to mentor and assist development team members in developing their skills.

## **Selected Experience**

### **ASDA Universal App (2014-present)**

Working with Walmart Labs team on iOS app for their UK subsidiary, ASDA. Converting the internal architecture of the app to be reactive using RxSwift, rewriting legacy components in Swift and RxSwift, and writing new modules using RxSwift.

### **Home Power Generator Control and Status App (2016-present)**

Developing consumer app to control client's gas-powered generators via Bluetooth.

### **Custom Universal App for Physical Therapists (2016-present)**

Developing new medical app for therapists to develop individual treatment and exercises plans for physical rehabilitation patients. Synchronizing data between client, backend API, and a distributed database architecture based on Realm.

### **Client App Maintenance (2010-present)**

On-going work with various clients to maintain and update existing apps.

### **High-End Real Estate Development Sales Tool (2014)**

Developed interactive sales tool for a client's very large construction project.

### **Mission Control Training (2013-2014)**

Developed iOS app and backend for a client's employee training business. It manages

videos, assessments, and tracking and is built on Microsoft's Azure cloud services.

**MyFactor – Personal medical incident and injury tracking app (2013)**

Developed app for a client so their customers can track medically significant events which they can share with medical provider to receive advice and therapy alternatives.

**MedSnap ID – Medical app for prescription and drug identification (2012-2013)**

Developed data synchronization for a suite of medical apps. Helped client design backend API for synchronization, assisted with data security and system architecture.

**EAA AirVenture, SUN 'n FUN, WAI Conference apps (2011-2013)**

Developed conference app framework to be configurable without requiring coding changes, changed the style of the app to use slide out menus and custom submodules to handle different content types.

**iLA (2012)**

Developed initial version of client's iPad app for organizing notes, links, and ideas and then sharing them automatically with peers.

**Custom Sales iPad app (2012)**

Developed iPad app for enterprise deployment for a client with multiple custom, animated controls such as a circular menu and image maps with expandable hotspots.

**Open Mobile iPad app (2012)**

Developed iPad version of client's existing iPhone app which combines a new UI with large, existing codebase. Refactored existing codebase to better share code.

**Form builder component for iPad medical records app (2011)**

Developed a framework to dynamically generate data entry forms based on templates downloaded from a server, allow user to enter data and submit it back to the server.

**Designed and developed manufacturing tracking system (Java, 2006-2012)**

**DoD and DARPA projects researcher and developer (2003-2007)**

**Adjunct Instructor for various university computer courses (1982-2006)**

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**Development Experience**

iPhone, iPad, and iOS development	8+ years
Other mobile systems design and development	8+ years
Java Desktop and Enterprise design and development	15+ years
Multi-tier, distributed systems design and development	30+ years
Overall professional development experience	35+ years

**Speaking and Teaching Experience**

Various conference sessions 2011-2014 (CocoaConf, 360iDev, D2Cincinnati)  
Regular presenter at CocoaHeads (Columbus, Cincinnati, Cleveland, Indianapolis)  
Co-organizer of Cincinnati CocoaDev  
Adjunct instructor, programming courses (Cedarville 1982-2006)

**Work Experience**

Independent	1998-present	Independent software craftsman
Synergy, Inc.	1996-1998	Software design and development
Rotman & Sjoquist	1988-1996	Extensive consulting and programming in a partnership
Cedarville College	1982-1996	Various roles ending with Asst. Dir. of Computer Services Adjunct Instructor, computer language courses
Independent	1980-1988	Custom software development for various businesses.

**Education**

B.A. Business Administration, Cedarville College, June 1982  
Computer Information Systems emphasis