

Summary

Experienced software craftsman with a strong background in iOS and distributed 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. 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 Project and Speaking Experience

SUN 'n FUN Conference app (2012)

Developed universal conference app with same capabilities as the WAI app. Added ability for users to create a customized personal schedule and exhibitors to visit list. Added a custom, integrated PDF reader for larger documents.

WAI Women in Aviation Conference app (2012)

Developed universal conference app with support for multiple schedules, exhibitors, maps, and information pages. Exhibitors are linked to maps to help users navigation the conference area. Conference information is updated from the network automatically.

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.

MindSwarms video survey iPhone app (2011)

Developing an iPhone app for a client that records short video snippets using augmented reality style controls, authenticates against client's backend, and synchronizes its local Core Data store with data and responses on the server.

Spoke at 360iDev 2011: OCMock: Crash Test Dummies For Your Code

Gave a half-day seminar on mock objects in iOS development at 360iDev.

AOPA Aviation Summit (2011)

Developed a universal iPad/iPhone app with news and Twitter feeds for the annual summit of the Aircraft Owner's and Pilot Association; schedules; exhibitors; Google maps integration; guides; ability to mark items as favorites; search capability.

Spoke at CocoaConf 2011: Test Driven Development in the iOS World

Gave sessions on using TDD techniques in iOS development at CocoaConf.

EAA AirVenture (2011)

Developed a universal iPad/iPhone app for the Experimental Aircraft Association's annual fly-in convention with multiple RSS and Twitter feeds; schedules; exhibitor information; maps; guides; ability to mark items as favorites; search capability.

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.

iOS framework to embed quizzes into training apps (2011)

Developed a framework to build a bank of questions, videos, and images that can be integrated into an app, allowing the user to test their understanding of the material.

iOS framework to integrate LineaPro SDK with UIWebView (2010)

Developed framework to integrate LineaPRO barcode and magnetic card reader with UIWebView. The client uses it to access the device without writing Objective-C code.

Recycling and manufacturing tracking system (2006-present)

Primary architect and lead developer for a multi-tier, distributed Java-based system to support a major recycling line of business for a manufacturing client.

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

Humanitarian aid planning system using semantic web concepts. Intelligent agent systems. User configurable, real time displays for Navy small boats.

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

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Development experience

iPhone, iPad, and iOS development	3 years
Other mobile systems design and development	4 years
Java Desktop and Enterprise design and development	10+ years
Multitier, distributed systems design and development	20+ years
Overall professional development experience	30+ years

Selected Language and Tool experience

Mobile: iOS, Android, J2ME, WinCE
Languages: Objective-C, Java, C/C++, Delphi

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