

Summary

Experienced software craftsman with a wide variety of experience across industries, markets, and tools. Specializing in iOS application architecture and implementation.

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

Selected Experience

Principal Software Engineer at Walmart (2021-present)

Working on Walmart transaction team, leading iOS checkout development.

Responsible for code quality, mentoring, analytics, coordination with other teams.

McGraw Hill Education Sharpen App (2022-2023)

Worked with McGraw Hill team on iOS Sharpen App development and as a data engineer with overall analytics pipeline from mobile apps and website.

Walmart App (2020-2021)

Worked with Walmart Global Tech, tech lead for checkout team on new iOS eCommerce app built on a uni-directional, plug-in style architecture using Combine.

Sam's Club App (2017-2020)

Worked with Sam's Club team on iOS eCommerce app. Converted app to use RxSwift, prepared it to move to Combine frameworks.

ASDA Universal App (2014-2017)

Worked with Walmart Labs team on iOS app for their UK subsidiary, ASDA.

Converted app to use RxSwift: rewrote legacy components and wrote new modules.

Custom iOS apps development and maintenance for clients (iOS, 2010-2019)

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)

Development Experience

iPhone, iPad, and iOS development	15+ years
Reactive architecture design and development	10+ years
Other mobile systems design and development	10+ years
Java Desktop and Enterprise design and development	15+ years
Multi-tier, distributed systems design and development	30+ years
Overall professional development experience	40+ years

Speaking and Teaching Experience

Various internal training sessions (2021-present) (Walmart)
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

Walmart	2021-present	Principal software engineer
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