







Alan Weiner
Senior iOS Architect | Mobile Platform Lead

 Based in PA and open to hybrid/remote roles
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I'm a Senior iOS Architect with deep experience leading scalable mobile platforms (CVS app – 1M+ daily users), developing modern SwiftUI frameworks, and launching cutting-edge UX like myPromenade. Based in PA and open to hybrid/remote roles, I bring strong architectural vision and team leadership to every engagement.

Objective

Innovative Senior iOS Developer and Architect with over 40 years of experience in mobile applications, embedded systems, and pioneering spatial technology applications. Passionate about building high-performance, scalable mobile solutions. Looking to contribute deep expertise in iOS development, spatial browsing, and secure mobile communications to an innovative tech environment.

Skills

Programming Languages:

Swift, SwiftUI, Objective-C, iOS, macOS, C++, JavaScript, TypeScript, SQL, RESTful APIs

Frameworks & Technologies:

iOS SDK, UIKit, ARKit, SceneKit, SwiftUI, CoreData, Keychain, OAuth2, BLE (New Potato), Angular 9.0, Blockchain, FreeRTOS, J2EE, Google Cloud Services, API Design, Google Analytics

Tools:

Xcode, Swift Package Manager (SPM), Git, Jenkins, JIRA, Bitbucket, Confluence, Charles Proxy, Splunk, Crashlytics

Methodologies:


Agile/Scrum, SAFE-5 Certified, Continuous Integration (CI/CD), Test-Driven Development (TDD with XCTest), App Store Delivery

Experience Highlights

Senior Advisor, Mobile Architecture

CVS Health (2014 - 2023)

 [CVS iOS App](#)

- **Architected & developed the CVS Pharmacy iOS app**, growing engagement to over 1 million daily users.
- **Secured a patent for blockchain-based PHI** (Protected Health Information) control:  [Patent](#)
- **Led the development of CVS Pay**, ensuring compliance with PHI/PCI standards while handling 6,000+ transactions per hour.
- **Designed and led development of the Dynamic Data Link (DDL) system** — a secure, API-driven PHI messaging platform enabling real-time, policy-based delivery of health data to mobile apps.
- **Integrated Test-Driven Development (TDD)** and unit testing via XCTest, improving code quality and reducing regression bugs by 40%.
- Worked across Apple frameworks including CoreData, CoreLocation, and Keychain; integrated enterprise analytics and monitoring tools such as **Adobe Analytics**, **AppDynamics**, and **Crashlytics**.
- Advocated for modular Swift Package Manager (SPM) adoption internally; prototyped package-based architecture in parallel to official builds to streamline CI workflows and improve code reuse.

Founder & iOS Developer

SIME Corp (1995 - Present)

 [Portfolio](#)

 [myPromenade App](#)

- Architected iOS apps and spatial experiences using SwiftUI and SceneKit; led design and prototyping of novel UI/UX models for 3D navigation.
- Created myPromenade, showcasing spatial browsing technology allowing 500+ artworks to be browsed simultaneously.
- Developed innovative ARKit and SceneKit implementations for immersive navigation.
- Early Web3 and blockchain innovator; leveraged Ethereum and Solidity while developing blockchain-based security solutions.
- Delivered modular SwiftUI apps with Swift Package Manager, integrating secure components across multiple internal and third-party libraries.

Principal Embedded Engineer

New Potato Technologies (2007 - 2010, 6-month project in 2024)

- Developed iBoom software, which won recognition at CES for innovative RF communication design.

- Built myMPG, one of the first iOS apps leveraging accelerometer data for real-time driving habit feedback.
- Integrated BLE technology for health monitoring devices using ARM CC2340R5 and SimpleLink CC32xx SDK.

Principal Designer & iOS Developer

Control4 (2010 - 2014)

- Developed the Control4 iPhone/iPad app, a universal smart home control system.
- Invented the first circular thermostat control on mobile devices, now an industry standard in home automation UI/UX.

Projects & Innovations

- 📱 The Record Player App: Merges music with AR technology.
🔗 [Record Player](#)
- 🌟 [ColorfulThunder](#): Multi-device synchronized color instrument app.
🔗 [ColorfulThunder](#)

Education

🎓 Bachelor of Science in Applied Physics
Worcester Polytechnic Institute, 1983

Certifications

SAFe 5 Agilist (Scaled Agile Framework Certified)
Certified Scrum Master

Apple Developer Program – Current

Professional Skills

☐☐ Mobile Evangelist: Passionate about pushing the boundaries of iOS, spatial browsing, and mobile security.

☐☐ Mentor & Team Leader: Guided teams in best practices, code architecture, and innovation.

☐☐ Agile Advocate: Strong understanding of Agile, CI/CD, DevOps for scalable development.

☐☐ Blockchain & Security Expert: Led blockchain-based HIPAA-compliant mobile-to-mobile security solutions.