

Alan Weiner

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Objective

Innovative Senior iOS Developer and Architect with over 40 years of experience in mobile application development, embedded systems, and pioneering spatial technology applications. Adept at leading teams to design and deploy cutting-edge mobile solutions. Seeking opportunities to leverage extensive expertise in iOS development, spatial browsing technologies, and secure mobile communications in a forward-thinking tech environment.

Skills

- **Languages:** Swift, SwiftUI, Objective-C, C++, JavaScript, TypeScript, CSS, HTML5, SQL, RESTful APIs
- **Frameworks/Technologies:** iOS SDK, ARKit, SceneKit, SwiftUI, BLE (New Potato), Angular 9.0, Blockchain, FreeRTOS, J2EE, Google Cloud Services, API Design, REST
- **Tools:** Xcode, SPM, Git, Jenkins, JIRA, Confluence, Charles Proxy, Splunk, TI-CCS, Crashlytics, mPulse
- **Methodologies:** Agile/Scrum, SAFE-5 Certified, Continuous Integration/Deployment, Test-Driven Development

Experience Highlights

Senior Advisor, Mobile Architecture

CVS Health, 2014 - 2023

- Spearheaded the development of CVS Pharmacy's iOS application (<https://apple.co/3TU4ZEH>), driving user engagement to over 1 million daily users through strategic enhancements and optimizations with over .75M users /day.
- Conceptualized and secured a patent for an innovative PHI visibility control system using blockchain technology, enhancing data security and user trust (<https://patents.google.com/patent/US20200332192A1>).
- Led the architecture and successful deployment of CVS Pay, integrating complex compliance requirements (PHI/PCI) and supporting peak transaction loads of 6,000 users per hour.
- Designed and developed a native Card Editor feature across iOS and Android platforms, significantly enhancing user interaction and satisfaction.
- Pioneered the governance-based data display and DDL platform, which revolutionized customer engagement and operational insights, setting new industry benchmarks for data utilization in retail applications.

Principal Embedded Engineer

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

- Developed the iBoom software, managing RF communications between the device and its remote control. Achieved recognition at CES for innovation in user interface design and functionality.
- Innovated the myMPG app, leveraging the iPhone's accelerometer to provide real-time feedback on driving habits, thereby enhancing vehicle efficiency and user engagement.
- Adapted BLE technology for health monitoring devices, utilizing ARM CC2340R5 and SimpleLink CC32xx SDK, improving connectivity and data accuracy.

Founder/App Developer

SIME Corp, 1995 - Present (<http://www.simecorp.com/>)

- Engineered "myPromenade," an iOS application demonstrating advanced spatial browsing capabilities, leveraging ARKit and SceneKit to provide users with an immersive navigational experience (<https://apple.co/475iZ2l>).

- Utilized SIME Corp as a platform to explore cutting-edge technologies, focusing on spatial interactions and augmented reality, thereby staying ahead of technological trends and fostering innovation in mobile experiences.

Principal Designer/Developer

Control4, 2010 - 2014

- Developed the Control4 app for iPhone/iPad, significantly enhancing smart home user experiences by integrating intuitive control and monitoring functionalities.
- Innovated and implemented the first circular thermostat control on an mobile device, setting a new standard in user interface design for home automation applications.

Founder and Chief Technology Officer

Direct Digital Broadcasting Company (DDBC)

1995 – 2000

- Founded and spearheaded a pioneering technology startup focused on developing an image-based system that enabled vendors across industries to market their products and manage digital presences.
- Created one of the first commercial art internet ecosystems, facilitating a digital marketplace for artists and galleries, which significantly enhanced visibility and sales.
- Secured funding and managed the company through the initial stages of the internet bubble, adapting business models and technology in response to evolving market conditions.
- Oversaw the development and deployment of web-based platforms, which included comprehensive website creation for vendors to sustain operations post-company closure in 2000.
- Implemented strategic partnerships and led a team that introduced innovative digital marketing tools, setting industry standards in online art commerce.

Sr. Embedded Software Developer

Krautkramer Branson, 1985 - 1995

- Co-Invented patented Quiet Bus ultrasound technology ([US5287291](#)), setting new industry standards for testing sensitivity.
- Invented a suite of 3D imaging products for ultrasonic inspection, revolutionizing the field by creating hardware and software tools to transform data into actionable business insights.

Embedded Developer

CVS Electronics, 1983

- Transformed Pong into the first 3D flight simulator in a cartridge game, pioneering gaming technology and showcasing early innovation.

Education

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

Projects

- The Record Player:** An innovative iOS app combining music with AR technology (<https://apple.co/3yfMPIb>).
- ColorfulThunder:** A unique app allowing multi-device color instrument synchronization (<https://apple.co/3mssoPn>).

Certifications

- SAFe 5 Agilist

Professional Skills

- Expert in simplifying complex technical concepts for stakeholders and guiding teams through agile methodologies.
- Demonstrated ability to mentor teams and foster technology adoption.