

Marc D. Alexander

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Key Skills

Swift / iOS app development and deployment

API Best Practices

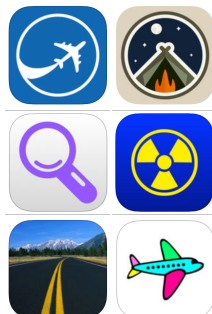
JSON / XML / REST

Postgres / MySQL

X86 BIOS / UEFI

Version & Change Control

App Store



Patents

13 U.S. Patents granted, additional patents pending

Education

BS in Electrical Engineering

State Univ. of NY
Buffalo, NY



LinkedIn profile

IOS DEVELOPER / API ARCHITECT

Electrical engineer with full stack experience; server side back end, API design & delivery, browser and mobile front ends, and a deep understanding of PC architecture.

Developer with extensive knowledge of motherboard circuitry, web tools, mobile tools, technologies and best practices to connect them all together. With a keen eye towards maintainability and sustainability for robust and dependable solutions.

Technology Summary

Mobile: Swift, Objective C, iOS SDK, C/C++, Android

APIs: JSON, XML, REST & Web Services, API best practices

Web: PHP, Vapor/Fluent, Python, PostgreSQL, MySQL, HTML, CSS, JavaScript

BIOS: x86 Assembly language, PC Architecture, PC BIOS and Firmware

Engineering / IT Experience

Post River SW, NavMonster
ExecOnline, Inc.
Visa, Inc
AMD
Dell Alienware
Dell, Inc.
Qualitas, Inc.
National Security Agency

Founder / Owner / Developer
Lead iOS Developer
Front End Developer
AGESA Firmware Developer
Firmware System Lead
Firmware Developer/Architect
Software Engineer/Developer
Electrical Engineer/Info Security

I have expertise across multiple domains, including PC architecture, BIOS & Firmware, web applications, and mobile apps. Experience was gained while working with employers and on entrepreneurial projects.

Career Highlights Include:

- **iOS Developer:** Author of numerous professional and entrepreneurial projects deployed to the iOS, Mac, and Android stores.
- **API Architect:** Mastery understanding of API design principles unique to internet and mobile traffic constraints.
- **Web Site Developer:** Creator and owner of NavMonster.com and FlyWalkEat.com, two web sites providing flight planning data to 4,000 pilots each day.
- **BIOS / Firmware:** Architect and Team Lead for more than a dozen Dell desktop platforms, focusing on motherboard firmware. Inventor of several technologies that are now considered industry standard features. Also software team lead on two Alienware laptop platforms.
- **Business Processes:** Known as enterprise-wide technical resource, I actively mentor fellow engineers on technology issues, standards, and best practices. Champion for code reviews, version control, and code reuse.