

# Marc D. Alexander

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## Key Skills

iOS app development and deployment

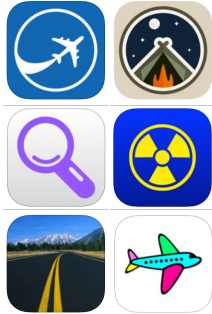
API Best Practices

JSON / XML / REST

PHP and MySQL

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  
May 1986



LinkedIn profile

## IOS DEVELOPER / API ARCHITECT

**Expert in developing Large Data Solutions for Web and Mobile Devices, with a keen eye towards maintainability and sustainability for robust and dependable solutions.**

## Technology Summary

**Mobile:** iOS SDK, Objective C, Swift, Android, C/C++, React Native, Cocos2D

**APIs:** JSON, XML, REST & Web Services

**Web:** PHP, MySQL, HTML, CSS, JavaScript, jQuery

**Other:** x86 Assembly language, PC Architecture, GIT, Apache

## Engineering / IT Experience

Visa, Inc (Austin, TX)  
Post River SW (Cedar Park, TX)  
TicketCity, Inc. (Austin, TX)  
Malauzai Software (Austin, TX)  
Dell, Inc. (Round Rock, TX)  
Dell, Inc. (Austin, TX)  
Qualitas, Inc. (Bethesda, MD)  
NSA (Ft. Meade, MD)

**iOS Developer / Team Lead**, 2017-Present  
**Architect, Developer, Owner**, 2007-Present  
**API Architect, iOS Developer**, 2014-2016  
**Developer iOS Banking Software**, 2012-2013  
**eCommerce iOS Team Lead**, 2010-2011  
**Firmware Developer/Architect**, 1992-2010  
**Software Engineer/Developer**, 1989-1992  
**Electrical Engineer/Info Security**, 1986-1989

Became an expert in delivering data to web portals and mobile devices while working with employers and entrepreneurial projects.

### Career Highlights Include:

- **Consumer Mobility App:** Development lead on Dell's Android and iOS commerce and tech support app. Defined API to communicate Dell's product and catalog data to mobile devices.
- **iOS Developer:** Author of a highly rated social media iOS app allowing pilots to communicate with each other. Also author of an iOS app used by thousands of scouts and parents to manage badges and achievements. In addition, author of numerous smaller apps.
- **Web Site Developer:** Creator and owner of NavMonster, a web site, iOS app, and Android app providing pre-flight planning information to 4,000 pilots each day.
- **API Architect:** Designed APIs to expose US airport and weather data to private pilots.
- **BIOS / Firmware:** Architect and Team Lead for more than a dozen Dell desktop systems, focusing on motherboard software. Inventor of several technologies that are now considered industry standard features.
- **Large Data:** Author of iOS app to tame and reference the FAA's vast plane registry and owners database.
- **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 good programming practices.