BEN D. JONES

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EXPERIENCE

SENIOR APPLE ENGINEER, AVOCADO SOFTWARE INC, 2013-NOW

Worked on all things Cocoa and Apple!

- Added content unfurling in messages stream, GIF, YouTube, Vimeo links now unfurl inline.

- Face feature aware avatars

- Added ability to use the Accelerate framework for image manipulations

- Setup iOS CI and added various unit tests

Guided Avocado's iOS app through the major iOS 7 updates. Including implementation of a number of new features (while keeping our binary iOS 6 compliant):

- All new NSURLSession networking stack with background downloads of media using NSURLSession background sessions

- Added background fetch and remote notification background modes to keep the app up to date

- Implemented new store for messages, ties into background modes

- Implemented all new design for iOS 7, flat design with blurred transparency touches

- Added Airdrop support

SOLE iOS/ANDROID ENGINEER, INSTACART, SAN FRANCISCO, CA 2012 - 2013

Creation and design of primary iOS/Android Applications. First supporting a standard native application, then the creation of a hybrid iOS native/web application using Class Swizzling and other tricks to create an intelligent Core Data or SQLite based WebView application.

Creation of an Android/iOS application used for logistics for Instacart Shoppers to track their location, provide up to the minute location aware data to direct them to nearest Safeway, Trader Joe's, and Whole Foods stores. Also the location aware data is used to assign delivery batches to the best suited driver.

CHIEF TECHNICAL OFFICER, JORN AND PRICE MARKETING, GAINESVILLE, FL 2009 - 2011

Creation and design of a new website application suite for SEO optimized car dealer websites. Design and programming a new set of code and tools to improve turn around for new customers from 2 months to 1 week. "No unique identifiers" URL structure framework for over optimized URL structure. Design and implementation of a pure XServe server cluster powered with a promise RAID array and XSan. Creation and programming of iPhone, and iPad optimized versions of the websites inventory. Creation and programming of a website application control panel for our clients using a native custom installed iPhone and iPad application.

SOFTWARE DEVELOPER, HYPERCHEM, GAINESVILLE, FL 2008 - 2009

Design and implementation of Linux cluster server. Development of Linux daemons to allow our Windows / Mac based client software to distribute calculations to the Linux cluster. Maintenance of Mac OS X version of HyperChem. Porting of old SGI cluster daemon code to modern Linux cluster daemons and interfaces.

MAC SOFTWARE DEVELOPER, GROOVESHARK GAINESVILLE, FL 2006 - 2008

Java development of P2P applications using UDP networking. Developed in Java 6.0. Software updating system. Mobile version created for cell phones using J2ME CLDC. Mobile device support for Blackberry / Palm / Nokia / LG. Creation of server relaying software.

SOFTWARE ENGINEER, FIRE PROGRAMS, GAINESVILLE, FL 2001 - 2006

Design of Fire Service software. NIFERS5 compliant form automation. EMS dispatching software. Palm OS / WM5 mobile version designed and developed. The Windows Mobile version of the two applications was written in C#.NeT. The Palm applications of the two were written in C using the Palm OS API.

SOFTWARE ENGINEER, THE SPRINGER GROUP P.A, GAINESVILLE, FL 1999 - 2001

Unix Server Administration. Design/Development of Patient Progress 2000 a patient management, session note, and medical file system. VB6 OOP development. MS SQL development.

EDUCATION
Santa Fe College, Gainesville, FL - AA in Engineering, 2005

SKILLS
SPECIALTIES: Objective-C Cocoa/Cocoa Touch Development, iOS Development [UIKit, AppKit, Core Data, Core Graphics, Accelerate, CF]
FAMILIAR WITH: Java (most recently Android, but worked with J2ME, J2SE, J2EE), bit outdated Ruby 2.8.3, lots of flavors of SQL, and general programming stuff!