

ALOK CHOUDHARY

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Summary

- Software Developer with 8 years of extensive experience in Object Oriented Analysis, Design and Software Engineering for Telecom, Logistics, Retail and Revenue applications With Technical and Functional Subject Matter Expertise.
- 4+ years experience in iOS development using Objective C and XCode 4 to Xcode 7.3. Over the past year and a half have also delved into Swift, currently working on Swift 2.2
- Experience with memory management including MRR, ARC, and Autolayout in code as well as in storyboard.
- Experience in fixing memory based bugs using Instruments and Static Analyzer
- Familiar with unit testing SenTestingKit and XCTest
- Able to implement and coordinate all stages of system development efforts, including requirements, definition, design, architecture, testing for iOS 5-9.3
- Knowledge of CoreLocation, UIKit, MapKit, AVFoundation, ALAsset, ALAssetsLibrary, CoreFoundation, CoreData, NSURLSession, CocoaPods, Crashlytics, Fabric, SpritKit, AdNetworks eg. AdMob, iAd, mpPub, RebMob
- Possesses an in-depth experience in coding and deployment of Bash Scripts and PERL and Python scripts along with XML and JSON parsing and multithreading in IOS Realm.
- Trained and possess hands-on experiences with development tools like XCode, RSA 7.0.0, Oracle 9i and Oracle 11g, SQLite, CoreData, Team-City, and Jenkins.
- Experience extensively used Git, GitHub, Subversion for Code Management and Version Controlling.
- Possesses sound knowledge across diverse domains –Telecom, Logistics & Retail; Worked with several Fortune 100 companies such as:
 - **AT&T**
 - **FedEx**
 - **Wal-Mart**
 - **IBM**
- Possesses sound knowledge of Software Development Life Cycle in CMM environment - Business Requirements Analysis, Design, Development, and Unit Testing.
- Experience with different development methodologies such as Agile and TDD.
- Excellent team player and proven track record working in various team size performing cross-functional roles.
- Great understanding of design patterns like MVC, Singleton, Observer, adaptor and composite.
- Energetic self-starter with Aptitude for analyzing, identifying problems, and coming with out of the box solutions.
- Experience in integrating applications with cloud-based frameworks including Dropbox, Box and Google Drive.

Technical Skills

Programming : Objective-C, Swift, C, C++, Java

Scripting : Apple Script, Shell (Korn Shell, bash), Perl, Python, awk

Web Technologies : XML, JSON, REST, SOAP, GCD, Operation Queues

RDBMS : SQL Server 2008, Oracle 9i, 11g, DB2, SQLite, Realm

Operating Systems: Mac El Capitan, Yosemite, Maverick, and Linux/Unix

Tools: JIRA, StarUML, XCode, HP ALM/Quality Center, Rational Clearcase, ClearQuest RSA 7.0,

Crash Analytics Tools: Crashlytics, Fabric.io, Apple Crash Reports, CA Analytics, Google Analytics

Build Automation and Integration: Team-City, Jenkins, Active Directory

Version Control Tools: Subversion, Git, GitHub, SourceTree

Frameworks: SQLite, CoreData, CoreLocation, AVFramework, MapKit, UIKit, Firebase Analytics, Firebase Notifications

Online Appearance

GitHub : <https://github.com/alokc83>

GitHub IO Page : <https://alokc83.github.io/>

Blog : <http://alokchoudhary.com>

Independent Apps

Find N Poke – For Pokemon Go : <https://itunes.apple.com/us/app/find-n-poke/id1143887612?mt=8>

Ultimate Locksmith : <https://itunes.apple.com/us/app/ultimate-locksmith/id1048478266?mt=8>
(Written in Swift 2.2)

Tappy Mania Bird Edition : <https://itunes.apple.com/us/app/tappy-mania-bird-edition/id1021135856?mt=8> (Upgraded to swift 2,2)

Indian Prayers Lite : <https://itunes.apple.com/us/app/indian-prayers-lite/id963596993?mt=8> (Hybrid of Obj-C and Swift)

Chanakya Lite : <https://itunes.apple.com/us/app/chanakya-lite/id905718461?mt=8> (Obj-C Swift Hybrid)

Continuous Education

Coursera Swift Specialization Course Certificate :

<https://www.coursera.org/account/accomplishments/specialization/T57RW7BPAQ9R>

<https://www.coursera.org/account/accomplishments/records/8MQN4GZBL3Z>

<https://www.coursera.org/account/accomplishments/records/KBFPNMN2X4529>

Industry Experience

AT&T (Digital Life)

Sr. iOS Developer Atlanta, GA

September 2015 – July 2016

Link: <https://geo.itunes.apple.com/us/app/at-t-digital-life/id580630991?mt=8>

About the app: AT&T Digital Life works with Apple Watch! Stay connected and in control. This app lets AT&T Digital Life customers view and control their Digital Life system while on the go. An active Digital Life account is required.

- Heavily involved in to make the app handle both portrait and landscape auto layout, constraints(in code as well as storyboard), and size classes
- Worked in an agile environment with daily standup meetings, and that encouraged communications between the teams, like testers, developers, designers, etc.
- Utilized JIRA for bug/feature tracking; also in tune with instruments for performance testing/improvements
- CocoaPods made use of to facilitate the addition of third party frameworks/libraries, likeRESideMenu
- Worked on Xcode 7, iOS 8-9; apart from standard regular frameworks & libraries

- worked heavily with Digital life RestFul API to keep Client Stateless.
- As a full capacity iOS developer duties included handling requests in JIRA made by product
- In charge, if handling bugs of all priorities discovered and coming from the QA team
- Had a great opportunity to be in sync with 7 other developers on the team and work in harmony to get the best results in the shortest amount of time possible
- Was in charge of setting up the application in Test Flight and getting it ready for enterprise build for in-house testing and demo purposes
- Completely wrote Side Menu from scratch, Added Foresee SDK, CA Mobile Analytics SDK
- Adding accessibility throughout the App. Deeper level of understanding of Semantic accessibility

Carnegie Learning Inc. (digitalACE)

Sr. iOS Developer Pittsburgh, PA

November 2014 – Aug 2015

Link: <https://www.carnegielearning.com/learning-solutions/math-worktexts/digitalace/>

About the app: digitalACE utilizes the power of an iPad with the customizable, research-proven Carnegie Learning content to accelerate students' mathematics achievement.

- Significant accomplishments include migrating a substantial portion of the app to a hybrid state, integrating MathJax framework for all mathML expressions, several beta releases as well as 2 released versions of the app
- Worked in an agile environment with daily standup meetings, and that encouraged communications between the teams, like testers, developers, designers, etc.
- Utilized JIRA for bug/feature tracking; also in tune with instruments for performance testing/improvements
- CocoaPods made use of to facilitate the addition of third party frameworks/libraries, like AFNetworking
- Worked on Xcode 6-7, iOS 7-9; apart from standard regular frameworks & libraries worked heavily with Carnegie's internal DifferenceEngine Library
- As a full capacity iOS developer duties included handling requests in JIRA made by product management as well as book content writers
- In charge of handling bugs of all priorities discovered and coming from the QA team
- Had to be in sync with 5 other developers on the team and work in harmony to get the best results in the shortest amount of time possible
- Was in charge of setting up the application in Test Flight and getting it ready for enterprise build for in-house testing and demo purposes
- Wholly wrote the input sub-system AnswerPad, which is the most usable feature of the App as students/teachers have to respond to everything via it
- Solely added the capability for the app to handle both portrait and landscape mode as it was originally just a landscape app; auto layout, constraints, and size classes were leveraged for this
- Heavy usage of NSOperations, and NSURLSession throughout project

WDS Co (Internal App)

iOS Developer Boise, ID

Apr 2013 – Oct 2014

- Compiled and built LDAP library for iOS platform XCode 5 for iOS 7.0
- Created UMT (USER Management Tool) internal iPad app for Managers and team leads.
- App worked with active directory and accesses the active directory to fetch the users.
- Used UIPopover controller, split view controller.
- The app does inventory as per user as well as attendance and location systems.
- Ability to create, disable and archive accounts using LDAP protocol.
- Designed, Developed and Deployed Equipment Management Module.
- Designed UI and Application flow created using UIKit.
- Deploy notes and minutes of meetings sharing using MessageUI.
- Integrated app with Corporate Box.com account to store reports Using Box API.
- Used GCD to connect to RESTful web services.
- Used NSJSONSerialization to parse JSON response.
- Fixed bug documented in JIRA by QA Team.
- Created test cases to streamline and optimize code using XCTest.

Micron Technology (Pop Video)

iOS Developer Boise, ID

Oct 2011 – Mar 2013

Link: <https://itunes.apple.com/us/app/pop-video/id503951133?mt=8>

- Worked on Micron technologies Pico Projector's companion app Called Pop Video.
- App was built for iOS 5.0
- All communication happened through 30 pin connector.
- Used ALAssetsLibrary and ALAssets to read photo and videos from the local library.
- Used GCD to connect to RESTful web services.
- Used NSJSONSerialization to parse JSON response.
- Used UIWebView to display videos from YouTube.
- Worked on the Proof of the concept of Facebook video feature.
- Used Facebook SDK to retrieve videos from user's timeline.
- Designed User Interface and App flow created using UIKit.
- Created test cases to streamline and optimize code.
- Fixed bugs found by QA team.
- Ran pilot iOS project for continuous integration.

*For sake of brevity and to put a full stop on irrelevant job opening offers. The only name of the project, place, and duration have been mentioned.
(Full length of resume can be provided upon request.)

IBM - FedEx Services

Consulting Software Developer Orlando, FL

July 2010 – Sept 2011

IBM - Wal-Mart

Consulting Software(POS) Developer Bentonville, AR

Mar 2010 – Jun 2010

IBM

Consulting Software(SureSwitch) Developer Bangalore, India

Clients: HMV, Dunne's, Waterstone, Morrison's, UK

October 2009 – Feb 2010

IBM, Client (AT&T, USA)

Software Developer Bangalore, India

March 2007– Sept 2009

Education and Certifications

Bachelor of Computer Science & Engineering

Institute of Engineering and Technology, Rajasthan University, India

IBM Certified Specialist - AIX System Administration, Completed training on Advance Shell Scripting, C Programming, PL/SQL Developer

