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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, CocoaPads, 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
Cousera Swift Specialization Course Certificate :
https://www.coursera.org/account/accomplishments/specialization/T57RW7BPAQ9R
https://www.coursera.org/account/accomplishments/records/8MQN4GZBZL3Z
https://www.coursera.org/account/accomplishments/records/KBFPMN2X4529

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.)

FedEx Services
Software Developer Orlando, FL
July 2010 – Sept 2011

Wal-Mart
POS Developer Bentonville, AR
Mar 2010 – Jun 2010

IBM
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