Agarwal A

iOS Developer, 16+ years experience
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Innovative team player with a passion for continuous learning and experienced tech professional with in-depth knowledge of development tools and languages. Looking to advance a promising career in technical managerial role in a fast-paced organization, offering proven abilities to develop superb software applications based on specialized clients need with 15+ years of experience in developing designs, test, code and debugging programs to real problems, and adding value to the business.

INDUSTRIES: Services, Telecommunication, IoT, Information Technology, Sales, On demand Services

TECHNICAL SKILLS

• iOS	10 years
• Mobile development	8 years
• Swift	5 years
• Agile	5 years
• Team management	4 years

PROJECT DETAILS

• Driver Connect July-2021 - November-2022

Project Description: • Driver Connect is an integrated platform that includes the Driver Connect app installed on iOS-based devices (iPhone or iPad), a cloud-based web portal, and an Electronic Logging Device (ELD). •The ELD automatically collects driving data and sends it to the iOS device or tablet over Bluetooth. • The app provides features such as automatic calculation of Hours of Service (HOS), work timers, break timers, engine performance gauges, driving logs for Law Enforcement Officer (LEO) inspections, certifiable Driver-Vehicle Inspection Reports (DVIR), and automatic state-to-state driving tracking for IFTA reporting.

Responsibilities: >> Problem Statement: • The iOS app faced stability issues, with frequent crashes and a lack of proper release cycles. • The Android app was far ahead in terms of features, and the team needed to address these issues to ensure the app's success. Solution: As the lead of the iOS team, we first identified the areas that needed improvement and implemented Sonar Qube analysis on the code to identify potential issues. We conducted a gap analysis to prioritize features and delivered them in a timely manner. With support from the L3 team, we addressed long-standing production issues and fixed crashes to increase user adoption. We also implemented XCTest cases for unit testing and integrated Bitrise for a CI/CD pipeline.

Technologies: iOS, Swift, Objective-c

Industry: Services

Link: https://apps.apple.com/us/app/driverconnect-by-rand-mcnally/id1213484578

• MyJio March-2014 - March-2016

Project Description: • My Jio app is a self-service app for consumers of RJIL that is going to provide voice, data and other services to customers using LTE as access technology throughout India. • Through this app consumers can see his plans & services, can buy new plans, recharge, pay bills and can do all other kind of self-service

Responsibilities: Team handling, stakeholder engagement, Converting requirements into features.

Technologies: iOS, Swift, Objective-C

Industry: Telecommunication

Link: https://itunes.apple.com/in/app/myjio/id1074964262?mt=8

• iMVS September-2019 - June-2021

Project Description: • TaaS-MobileView™ (iMVS) is an iOS application that integrates iPad/iPhones with market-leading Traceability as a Service (TaaS) solutions and Bluetooth-connected RFID/Barcode scanners to track and monitor assets. • TaaS-iMVS allows users to manage and track assets using either RFID and/or barcode. • It is built for industrial environments and works seamlessly with or without WiFi connectivity. • The application provides real-time dashboards to monitor asset status and operational intelligence.

Responsibilities: >> Problem Statement: • The company's reliance on an outdated product developed on Windows CE was becoming problematic, as newer platforms such as iOS and Android became essential. >> Solution: • To address this issue, we prepared a feature list, identified them, and prioritized them according to customer usage. • As the application needed to be connected to physical RFID/barcode readers to function, we integrated Zebra's SDK and TSL's ASCII commands. • We created an interface layer that communicates directly with Zebra and TSL, abstracting their different workings to function as a single entity for the entire application. • Given the app's handling of sensitive data, we ensured that during the software development all user data was encrypted and that security protocols were in place to prevent unauthorized access.

Technologies: iOS, Swift, Objective-c

Industry: IoT

Link: https://apps.apple.com/us/app/mvs-application/id1476206908

• Samvaad May-2017 - April-2018

Project Description: "Samvaad" is a mobile application designed to provide CXOs with a comprehensive platform that houses all financial and strategic information about their customers and vendors. This app enables users to directly connect with key people when needed, offering a one-stop solution to access vital business data.

Responsibilities: Problem Statement: The primary challenge faced by Vedanta was the lack of a centralized server to collate the necessary information about customers and vendors. Currently, this data is dispersed across multiple systems such as SRM, Arabia, and SAP ECC/S4 HANA, making it difficult to access and utilize. Solution: To address this problem, native mobile apps were developed for iOS and Android platforms, which offer secure and encrypted data storage in local databases. The app incorporates charts and graph libraries to display data in various formats and provides a user-friendly interface for easy navigation.

Technologies: iOS, SAP, Objective-C

Industry: Information Technology

• AutoNat March-2016 - April-2017

Project Description: AutoNat is a sophisticated tool designed for sales executives at L&T E&A to plan and monitor their customer activities, including creating, tracking, and updating projects (opportunities). This app provides insights on customer behavior, projects, and competition while facilitating collaboration with other employees, seniors, and partners.

Responsibilities: Our team developed a hybrid mobile app for iOS, Android, and browsers, offering a commercial solution with advanced capabilities and cutting-edge technology. During the development process, we modified the code of a third-party library to achieve the desired results. We overcame challenges to ensure data synchronization and offline storage capabilities. Our app incorporates a Dashboard as a launch pad for different applications, role-based modules/functionalities access, and reporting with graphs and charts. We utilized SAPUI5, HTML5, JS, and Cordova to create IPA and APK files from the source repository in SVN.

Technologies: SAPUI5, iOS, Android, Cordova

Industry: Sales

• Omega

Project Description: The Omega Super App is a multi-faceted software application that utilizes mobile, web, cloud, and machine learning technologies to deliver a unique user experience.
Responsibilities: >> Problem Statement: • The goal of the project was to define processes and best practices for the development team, while also identifying and removing technical impediments that hindered the app's development. >> Solution: • After a thorough understanding of the project and discussion with stakeholders, the development and release plan was created. • To simplify the development process, we created universal libraries that were previously different for simulators and devices. •We also set up a CI/CD pipeline using Jenkins and Fastlane for iOS and Android, allowing the team to focus on development instead of manual build processes. • To streamline the iOS team's development, we implemented 'Match' to clean up multiple provisioning profiles and certificates for each individual developer.
Technologies: Flutter, iOS, Android
Industry: On demand Services

EMPLOYMENT HISTORY

• Engineering Lead

Description: o Lead a team of engineers to build mobile experiences on Android and iOS. o Work closely with product management and business stakeholders to understand and translate business objectives into technical solutions. o Collaborate with Infrastructure, UI / UX, backend and security teams to build the overall solution. o Be part of everyday activities of mobile engineers to ensure high quality and performant code. o Support engineers and the team to achieve their career goals. o Be part of the build and release process of the mobile application. o Be part of the hiring team to streamline process to grow the team.

• Sr Technical Lead July-2021 - November-2022

UST

Description: o To provide technical support and guidance to the project team. o Contribute to architectural discussions and innovations. o To identify, research and resolve complex technical problems. o Provide mentorship to developers, assist them in their development life cycle activities including design and coding. o Provide guidance on change control, security, license to the team. o Assist in estimations, proposal creations. o Identify the best practices and implement in the projects. o Client interaction and requirement clarification with developers. o Primarily responsible for getting the design artifacts done by the developer and getting it approved by the architect o Discussing technical issues with the architect and coordination with the client for the same. o Ensure that developers adhere to coding standard and best practice guidelines. o Coordinate peer reviews for each deliverable. o To assist in conducting Technical Release Readiness Review and raise alerts to management & team to address any concerns pertaining to the quality of the release.

• Sr Consultant September-2021 - June-2021

Omnitrol Networks

Description: o Creating strong value drivers in the product by building right features and capabilities. o Translate busines requirements into technical requirements with an ability to articulate, communicate and convey to the team. o Work with team to provide and refine estimations for feature, epics and stories. o Collaborate with other staff, such as graphic artists, UI/UX designers, other developers, systems analysts, clients and stakeholders. o Identify, prioritize and execute tasks in the software development life cycle; Test, maintain and recommend software improvements to ensure strong functionality and optimization.

• Sr Technical Architect January-2011 - August-2019

KloudData Inc

Description: o Collaborate with other staff, such as project managers, graphic artists, UI/UX designers, other developers, systems analysts, clients and stakeholders. o Responsible for requirements gathering, co-ordination between the customer and team, team building, appraisals and performance process. o Analyze user needs and software requirements to determine the feasibility of design within time & cost constraints. o Identify, prioritize and execute tasks in the software development life cycle; Test, maintain and recommend software improvements to ensure strong functionality and optimization. o Plan & Execute products and architectural road maps and various phases of Mobile applications. o Develop tools & applications by producing clean, efficient code; Automate tasks through appropriate tools and scripting; Review and debug code. o Collaborate and communicate effectively with stakeholders throughout the organization.

• Sr Software Engineer January-2007 - December-2010

mBlazon Sol Pvt Ltd

CERTIFICATION

• PMP by PMI 2021

EDUCATION

• Diploma degree in Finance from SCDL 2011 - 2013

• Masters degree in Computer Application from Nagpur University 2004 - 2007

LANGUAGES

• English - native

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