**Rohit Nerusu**

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**SUMMARY**

* With over 9 years of hands-on experience in mobile app development.
* I have honed my skills as an Android/iOS developer, specializing in native app development using Java/Kotlin for Android and Swift/Objective-C for iOS, along with experience in web development.
* My expertise lies in crafting user-friendly interfaces and seamlessly integrating backend systems and APIs.
* I possess a deep understanding of various mobile app architecture patterns such as MVC, MVVM, and VIPER.
* Proficient in creating and customizing different Multi Views like Table Views, Tab Bars, Navigation Bars, and Collection Views, working with their related Data Source and Delegate protocols methods.
* Throughout my career, I have consistently delivered high-quality projects across the entire app development lifecycle and also experienced in white label applications.
* Experienced with Xcode and Interface Builder, Instruments, Mobility Tester, and Static Analyzer, including development, debugging, profiling, optimizing, and the build process in Object Oriented Design Principles (OOD & OOP).
* Extensive knowledge of mobile app security principles and implementation of best practices to ensure data protection.
* Familiar with various design patterns such as MVC, MVVM, Singleton, Observer pattern, etc.
* Experienced in working on the Android platform and frameworks, customizing them as per requirements.
* Proficiency in using version control systems like Git enables me to manage code efficiently and collaborate effectively.
* Good experience in developing and deploying web applications and web services in the cloud, with hands-on experience with Amazon AWS and Google App Engine.
* Experience in server infrastructure development on AWS Cloud, with extensive use of Virtual Private Cloud (VPC), CloudFormation, CloudFront, EC2, RDS, S3, Route53, SNS, SQS, and CloudTrail.
* Experienced in Agile methodologies, including Scrum and Kanban, which facilitate efficient project management.
* Managed version control for projects using Bitbucket, ensuring codebase integrity and collaboration among team members.
* Familiar with CI/CD processes, allowing me to automate app builds, testing, and deployment.
* Possess strong problem-solving skills, enabling prompt identification and resolution of issues during development.
* Integrating various APIs and SDKs is a core competency of mine, including social media, payment gateways, and push notifications.
* A solid understanding of platform-specific design guidelines, ensuring visually appealing user interfaces.
* Skilled in multi-threading, asynchronous programming, and background processing to create responsive apps.
* Committed to staying up to date with the latest industry trends and technologies, combined with excellent communication and interpersonal skills, allowing me to deliver innovative solutions through effective collaboration and stakeholder engagement.
* Exceptionally well-organized, with strong work ethics, a willingness to work hard to meet client requirements, excellent analytical and leadership skills, and a strong ability to multitask and prioritize workload.

**TECHNICAL SKILLS**

* **Programming Languages:** C, Java, Kotlin, Python, Objective C, Swift
* **Operating Systems:** Windows (10/8.1), Ubuntu, Mac
* **Mobile Development Frameworks:** Android SDK and Studio, iOS SDK, Combine, SwiftUI
* **iOS Applications:** Objective-C, Swift (all versions), Cocoa2D and Cocoa development for iPhone and iPad devices in XCode Interface builder, UIKit, Cocoa touch, Core Data
* **Scripting languages:** HTML, JavaScript, JSON, XML, Maven3.0, Jetpack Compose UI
* **Cloud Technologies**: AWS (EC2, S3, Lambda, Dynamo DB, Cognito, Cloud Watch, RDS, IAM)
* **Databases:** Oracle, MySQL, MSSQL Server, SQLLite3.
* **IDE:** Android Studio, Xcode, Eclipse, IntelliJ
* **Other Tools:** JIRA, Splunk, JUnit, Expresso, XCTest, Git, GitHub
* **Database Tools:** SQL Developer, MSSQL Server Management Studio

**PROFESSIONAL EXPERIENCE**

**Role: Sr. Mobile Developer (Android/iOS)**

**Client: US Bank, Minneapolis MN**

**June 2021 - Present**

**Responsibilities:**

* Design and maintain Android and iOS apps using Java/Kotlin and Swift/Objective-C with appropriate frameworks and libraries.
* Produce clean, efficient, and maintainable code for various app components such as activities, fragments, services, and broadcast receivers.
* Partner with designers to create user-friendly and visually appealing interfaces ensuring a smooth user experience on different Android devices.
* Build user interfaces using Jetpack Compose, the modern Android UI toolkit, for native Android applications.
* Develop mobile applications using Swift, Objective-C, Xcode, and various APIs in an agile environment.
* Deploy mobile applications and web services on the cloud using AWS.
* Use version control systems to manage code repositories and collaborate effectively with team members.
* Write and optimize SQL queries to handle data retrieval, updates, and deletions.
* Utilize Kotlin Coroutines for asynchronous programming to enable responsive and non-blocking application behavior, particularly for network requests and concurrent tasks.
* Implement the Singleton design pattern to ensure a class has a single instance and provide global access to that instance.
* Work with Object-Relational Mapping (ORM) frameworks to simplify database interactions and abstract away SQL complexity.
* Manage shared resources like connection pools and caches efficiently using Singletons to optimize resource utilization across the application.
* Employ AWS backend APIs for secure data access.
* Deploy Android apps to the Play Store using AWS.
* Implement mechanisms to synchronize data between the mobile application and SQL database.
* Use Kotlin with Android content providers for features like sending emails and SMS, and design appropriate GUIs for these applications.
* Seamlessly integrate Jetpack Compose with Android Architecture Components such as ViewModel, LiveData, and Room for efficient data handling and persistence.
* Create responsive and user-friendly web applications using HTML, CSS, and JavaScript.
* Implement modern front-end frameworks and libraries such as React, Angular, or Vue.js for interactive user interfaces.
* Develop RESTful or GraphQL APIs for smooth communication between front-end and back-end systems.
* Integrate Payment APIs into all current Confidential Android Applications.
* Implement and maintain CI/CD pipelines using Jenkins.
* Ensure security of sensitive data stored in SQL databases through encryption and access control.
* Develop applications in Objective-C and Swift using Cocoa Touch and other iOS frameworks.
* Manage repositories, branches, and pull requests on the Bitbucket platform.
* Conduct comprehensive testing and debugging to identify and resolve bugs, performance issues, and compatibility problems.
* Optimize app performance by addressing bottlenecks, reducing memory usage, and improving overall responsiveness.
* Build apps using Swift and Cocoa Touch Framework, including UIKit, Map Kit, Foundation, UINavigationView, UITabBarController, UITableView, and Storyboard.
* Use GIT for codebase management.
* Implement security measures, such as encryption and authentication, to protect user information and ensure data privacy.
* Test RESTful/SOAP services using SoapUI and Postman.
* Ensure compatibility of the app with different Android versions, screen sizes, resolutions, and device configurations.
* Prepare the app for release by generating signed APKs, submitting it to the App Store, and managing its App Store presence.
* Create stored procedures, functions, views, and triggers while working with GIT for version control.
* Participate in code reviews to provide constructive feedback, uphold coding standards, and ensure code quality.
* Create JSON requests and validate responses using Postman Interceptor and Swagger UI.
* Develop applications using Objective-C, OS X, C, Swift, Cocoa Touch, UIKit, SDK, PL/SQL, Cocoa Bindings, and object-oriented programming.
* Create and maintain technical documentation, including code documentation, user guides, and API documentation.
* Stay updated with the latest advancements in Android development, explore new tools and technologies, and remain informed about industry trends and best practices.

**Environment:** Android Studio, Java/Kotlin, Xcode, Swift/Objective-C, Postman Firebase, AWS, SQLite, Gson, Espresso, Interface Builder, Cocoa Pods, Core Data, Git, Firebase, Auto Layout, XCTest, XCUITest, Codable

**Role: Mobile Developer (Android / iOS)**

**Client: IU Health, Indianapolis**

**September 2020 – May 2021**

**Responsibilities:**

* Work closely with cross-functional teams to define app requirements and features, utilizing collaboration tools like JIRA.
* Utilize JIRA to manage development tickets after assigning specific points to customers.
* Create Android and iOS applications using Kotlin, Java, Swift, and Objective-C.
* Design and optimize user interfaces for different Android and iOS devices and screen sizes, using Android's UI frameworks and iOS's UIKit.
* Develop applications following the MVVM design pattern for better separation of concerns.
* Integrate third-party libraries and APIs, such as Retrofit, Alamofire, or CocoaPods, to enhance app functionality and user experience.
* Work with APIs to retrieve data from remote servers, such as account balances, transaction history, and other account-related information.
* Use Postman for debugging APIs.
* Optimize app performance and memory usage for Android and iOS devices using tools like Android Profiler and Xcode Instruments.
* Implement and maintain CI/CD pipelines with Jenkins and Travis CI for automated testing and deployment on Android and iOS platforms.
* Troubleshoot and resolve technical issues, including bug fixing and performance bottlenecks, using debugging tools like Android Studio's debugger and Xcode's debugging tools.
* Implement Splunk within the organization, setting up the infrastructure and configurations to collect and index log and event data from various sources.
* Create interactive dashboards and reports in Splunk to provide real-time insights into system performance and security incidents, aiding in decision-making and troubleshooting.
* Build unit, integration, and end-to-end tests using XCTest, JUnit, and Espresso for Android and iOS.
* Implement secure authentication and data encryption, such as OAuth and Keychain, to protect user data.
* Utilize SQLite or Core Data on iOS to manage and persist application data, ensuring consistency and reliability.
* Design and develop Single Page Applications using Xcode, RxSwift, RxJava, JSON, and XML, along with unit and integration testing.
* Configure and manage CI/CD pipelines within Bitbucket to achieve continuous integration and delivery of software applications.
* Implement Kotlin for Android Extensions framework.
* Apply design patterns and manage code versions with Git and GitHub.
* Implement push notifications using Apple Push Notification Service (APNs) for real-time updates and notifications.
* Stay updated with the latest Android and iOS SDK features, incorporating them into the development process.
* Implement new features in SwiftUI and build packages using Swift Package Manager.
* Conduct code reviews to ensure code quality, adherence to coding standards, and identify areas for improvement, using tools like GitHub Pull Requests or Bitbucket.
* Participate in sprint planning, estimation, and agile development processes using tools like JIRA.
* Manage app versioning, releases, and updates on Google Play Store and Apple App Store, ensuring compliance with platform guidelines and utilizing tools like Fastlane for automation.
* Collaborate with backend developers to design and implement APIs that meet app requirements, and use tools like Postman for API testing.
* Build new components in SwiftUI for iOS 13.0 and above.
* Focus on app security, identifying and addressing potential vulnerabilities with tools like OWASP.
* Work closely with QA engineers to identify and fix bugs, ensuring a stable and reliable mobile banking application.

**Environment:** Android Studio, Java/Kotlin, Android SDK, Postman , Firebase, SQLite, Material Design, Gson, Espresso, Xcode, Swift/Objective-C, iOS SDK, Interface Builder, CocoaPods, Core Data, Alamofire, URL Session, Firebase, Auto Layout, XCTest, XCUITest, Kingfisher, Codable, Fastlane

**Role: Mobile Application Developer**

**Client: Hancock Whitney, Metairie, Louisiana**

**January 2018 – August 2020**

**Responsibilities:**

* Designed GUIs and interfaces with services for mobile applications, using asynchronous programming in Android (such as Thread pool, Tasks, and services).
* Provided guidelines to ensure the UI matches Android standards.
* Worked extensively with various versions of the Android SDK and Eclipse IDE using the Android ADT plug-in.
* Developed an Android application for anonymous media sharing using Android Studio.
* Implemented the MVVM (Model-View-ViewModel) architecture to keep business logic and data manipulation separate from the UI.
* Developed Android screens to display data fetched from APIs.
* Modernized a legacy UI using technologies like Backbone.js and jQuery.
* Created a customized network protocol used by client applications, including those on Android and iOS.
* Set up and maintained CI/CD pipelines with Jenkins and Travis CI for automated testing and deployment of Android applications.
* Maintained and debugged an Android project that interacts with proprietary Bluetooth devices.
* Implemented all necessary Android functions using the Android SDK.
* Conducted unit testing and debugging for Android functions.
* Used Eclipse and Android Studio for application development, debugging, coding, and deployment.
* Designed and created domain models and schemas using object-oriented design/UML diagrams and built SOAP web services.
* Designed an ASP.NET application using the .NET Framework and ADO.NET entity framework architecture.
* Developed a native application using Xcode with Objective-C, Cocoa Touch, and UIKit for a fast and sleek interface.
* Developed and maintained mobile applications for smartphones and tablets, focusing on cross-departmental communication.
* Developed and implemented several PhoneGap applications, including Java and Objective-C plug-ins, for iPad, iPhone, and Android platforms.
* Designed, developed, tested, and implemented web applications using Sencha.

**Environment:** Java, Android Studio, Android SDK, Titanium, Cocoa, Objective-C, Sencha Touch, HTML5, CSS3, MySQL, Rest, iPhone, iPad, React Native, Blackberry, jQuery Mobile, Xcode, .Net, Eclipse, Maven

**Role: Software Engineer**

**Client: Redbus, Hyderabad, India**

**June 2014 – May 2016**

**Responsibilities:**

* Gained an understanding of domain knowledge for the product, requirements, design, and documentation.
* Wrote multithreaded programs to assess system performance.
* Worked on GUI internationalization using JSP and Core Java.
* Utilized JDBC APIs for database connectivity and data retrieval.
* Developed HardwareStoreMarketer.com site using ASP.Net.
* Strong database programming skills using .NET and ADO with MS SQL Server, MS Access, and Oracle backend. Extensively used stored procedures, functions, and triggers in Microsoft SQL Server.
* Worked on various client websites using the Struts framework, Hibernate, and OGNL.
* Participated in debugging the product using Eclipse and JIRA Bug Tracking.
* Wrote stored procedures, views, user-defined functions, and triggers in the SQL Server database for the Reports module.
* Developed simulations using C++.
* Implemented a real-time patient prescription history verification system using C and Oracle PL/SQL on a VMS platform.
* Manipulated data and performed data preparation using TSO, ISPF, and SPF system utilities.
* Wrote stored procedures in Oracle PL/SQL for data entry and retrieval.Extracted and modified data from VSAM files for PDF reports.
* Automate nightly batch processing and job alerts using REXX.
* Responsible for migrating WebSphere server and migrating IBM CICS Transaction.
* Actively involved in contributing to RFP and POC activities in IMS.
* Used standard data access technologies like JDBC and ORM tools like Hibernate.
* Designed, implemented new website features, and provided support and maintenance.

**Environment:** Core Java, JSP, JUnit, Mercurial, Eclipse, .Net, JDBC, Struts, Hibernate, Visual Source Safe, Weblogic, Oracle, OGNL, C, C++, Linux, MS SQL Server, COBOL, File Aid, REXX, ISPF, Mainframe