Zahir McDonald

Sr. Android Application Developer

Email: [zshahidmcdonald@gmail.com](mailto:zshahidmcdonald@gmail.com)

Summary:

* 9+ years of experience in Android application development.
* Hands on experience in developing Android Applications for mobile and tablets using Android Studio.
* Good understanding in applying Object-oriented analysis and design(OOAD)and Software Development LifeCycle(SDLC) for applications.
* Proficient in understanding of Android User Interface(UI) guidelines, framework API's, application development and memory management.
* Expertise in developing Android Enterprise applications for tablets and mobile devices.
* Working experience in RESTful web services to fetch data for the enduser and parsing the XML and JSON response using different parsers.
* Extensively worked on push notifications, memory leaks, multiple screensupport, content providers, data offline usage, accounts and syncon Android.
* Skilled in developing and debugging Android.
* Efficient in using Jetpack libraries such as Room, ViewModel, LiveData, ViewBinding and more.
* Solid understanding of interfacing to back-end system using XML/JSON, REST API, OAuth, etc.
* Good work experience in Android SDK using JAVA and Kotlin.
* Proficient in using Fragments, Activity workflow, Action BarNavigation, Menu designs, Custom.
* Designed UI and interfaces with services for mobile applications, Asynchronous Programming in Android (such as Threadpool, Tasks and services).
* Understanding and involvement in app migration (MVP to MVVM and Java to Kotlin).
* Experience in developing test cases besides involving in Integration testing, Unit testing and User Acceptance testing extensively.
* Self-motivated, dedicated and very good team player with excellent communications skills including mentoring and presentation skills.

**Ford, Dearborn, MI ( Remote)** Dec 2022- Present

**Sr. Android Application Developer**

**Responsibilities:**

* Enhanced classes to migrate from Java to Kotlin
* Modified the architecture of different packages to use MVVM Architecture Accommodated and oversaw in adding Room Database
* Magnified the View Groups in each fragment that was enhanced
* WroteKotlinExtensionsforadditionalfunctionstooptimizeapplicationUsed PostMan to retrieve live API data from websource.CommunicatedbackandforthwithQAtoensuretestingiscomplete.  
  Worked closely with API/ backend team; participated and conducted SCRUM meetings to review project progress.
* Developed modules in Kotlin using MVVM app architecture for ease of maintainability and extensibility, as well as improved quality testing.
* Tested APIs in Postman and by using Kafka and tools to communicate with Kafka. Used Android studio for coding
* Collaborated with team members on Microsoft Teams and applied daily standups, 2-week sprints, bi-weekly grooming sessions, monthly retros, regular requirements meetings, and dev touchpoints.
* Created utility functions using Kotlin capabilities with Extension functions and high-order functions.
* Implemented log-in authentication in OAuth2 using Spring Security integration.
* Created Kotlin singleton objects to abstract consumption of data model layers into Repository layers.
* Used GitHub Enterprise to introduce new PRs with each story.
* Pushed builds using Firebase to distribute updates to testing team.
* Worked with Android Query library for asynchronous tasks to manipulate UI elements.
* Reduced bug report and crashes with the implementation of Nullable safety check operations in Kotlin language.
* Implemented multithreaded programming to handle long running operations in the form of suspend able task using Co routines building block launch and async.
* Used Pending Intents to handle database updates after a boot was completed.
* Applied unit testing and integration testing with Espresso and Mockito.
* Created custom animation to improve the user experience following the material design principles.
* Applied relational DBMS skills using MySQL, PostgreSQL, and other DBMS products.
* Implemented Navigation Drawer to provide a fluid swiping from left to right and right to left.
* Created custom and compound views to preserve the general look and feel specified by the client.
* Experiance using OAuth 2.0 token for http Communication to access Translate APIs.
* Used Crashlytics to track user behavior and obtain mobile analytics.
* Configured Git and Bitbucket servers as the software version control tools.
* Enhanced User Experience with the implementation of the Tab Navigation.
* Utilized Android SDK and supporting development devices.

**Environment:** Native Android development, Android Studio IDE, Java, Kotlin, React JSLibrary, Dagger, REST, JUnit, Logcat, DDMS, Retrofit, XML,, JSON, SQLite, GIT, Room,LiveData,ViewBinding,Espresso,Gradle,Room,Multi-threading,JIRA.

**Nordstrom, Los Angeles, CA ( Remote)** Feb 2021- Nov 2022

**Sr. Android Application Developer**

**Responsibilities:**

* Assisted with Architecting the flows for implementation of check-in after making a reservation as an enhancement to the app.
* Created different UI designs with different functionalities for each layout based on figma designs.
* Worked on scenarios to minimize the human interaction while checking out the enterprise vehicle.
* Architected the flows for implementation of check-in after making a reservation.
* Developed custom views and implemented adobe analytics into the new screens.
* Fixed critical bugs on production and staging by collaborating with cross functional teams.
* Followed Agile development and consistently delivered new features on time during sprints.
* Created different banners to give visibility to users what steps they must follow.
* Communicated backend forth with QA to ensure testing is complete.
* Collaborated with team members on Microsoft Teams and applied daily standups, 2-week sprints, bi-weekly grooming sessions, monthly retros, regular requirements meetings, and dev touchpoints.
* Authenticated to third party servicas using OAuth2.0.
* Used Java as well as Kotlin when writing code.
* Worked on new UIs and modal popups.
* Worked closely with API / backend team when introducing new features.
* Helped keep parity with features on the web App.
* Utilized Stampede for continuous integration.
* Used GitHub Enterprise to introduce new PRs with each story.
* Pushed builds using Firebase to distribute updates to testing team.
* Worked closely with the designer when demonstrating new features.
* Introduced new data points for Adobe Analytics.
* Used information from Crashlytics to identify defects and crashes.
* Collaborated with iOS team for feature parity.

**Environment:** Native Android development, Android Studio IDE, Java, Kotlin, React JSLibrary,JDK,Dagger,REST,JUnit,Logcat,DDMS,Retrofit,XML,JSON,SQLite,GIT,RxJava,Mockito,Espresso,Gradle,Room,Multi-threading,JIRA.

**Hiya, Inc, Seattle, WA** Oct 2017– Jan 2021

**Sr. Android Developer  
Responsibilities:**

* Used Android Studio and latest SDK application development.
* Designed the UI layout with Product Management team with Balsamiq Mockups wireframe tool to create roadmaps.
* Updated prototype with JustInMind Prototype software to draft hi-fi wireframes of themainflow.
* Constructed early prototypes UI by integrating latest MaterialDesign guidelines in the Android

program.

* Wrote Kotlin Extensions for additional functions to optimize application Aided Product Owner in technical designreview meetings.
* Used JIRA as source control tool to manage the application development.
* Used RESTful services for data communication.
* Tested, diagnosed and resolved load performance issues within the application.
* Implemented several featured RecyclerView and CardView in the application.
* Designed the main Navigation Drawer included in the main actions: Toolbar, Collapsing Toolbar and ActionBar.
* Updated old and wrote all new code in Kotlin
* Reduced load time of photo libraries by implementing Glide.
* Used Shared Preferences to store default user values.
* Updated Android notifications to send reminders to the UI.
* Applied animation rotation and scaling of various Android UI screen size.
* Worked with ModelView ViewModel (MVVM) architecture pattern within the environment.
* SQLite Database changed to Room for local storage of user info.

**GE Appliances, Louisville, KY**  May2016-Sep2017

**Android Developer**

**Responsibilities:**

* Programmed in Kotlin as the main code language for the Android application.
* Migrated to Jetpack Compose by adding compose to an existing screen built using Android views and managed state in composable functions.
* Created RecyclerViews and their respective adapters to display all list information per UI/UX design requirements.
* Utilized LeakCanary to detect and remove all memory leaks.
* Improved the bit rate over network changes with the Connectivity Manager.
* Used Atlassian Bamboo as continuous integration system to track released versions with all fixes detailed in a changelog and code backup.
* Parsed JSON files to obtain data returned from web services
* Implemented push notification functionality using Google Cloud Messaging (GCM).
* Integrated third-party SDK for payment authentication.
* Incorporated Facebook SDK and Twitter API for logging, posting and share experiences of the Android app and the service for marketing.
* Implemented analytics using Firebase analytics framework to track user behavior in app.
* Used JIRA platform to track productivity and tasks provided to accomplish the project.
* Used a MVVM architecture.

**Home Advisor, Golden, CO** Jan2013-May2016

**Jr Android developer**

**Responsibilities:**

* Created an internal app that allows the supervisors and engineers to view the chemical tank levels across the plant.
* Supported the plant’s daily activities.
* Wrote new blend recipies into the Distributed Control System (DCS).
* Trained new users to the DCS.
* Supported instrumentation testing from the field.
* Wrote software for new Projects using SABL, C, Continuous Database software (MDL).
* Maintained plant flare stack software to comply with EPA directives.
* Managed and implemented the plant interlock systems.
* Generated automated alarm reports for supervision and engineers.
* Supported DCS software and hardware updates.
* Supported IT department with new hardware installation.