Arjun Mehta

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Skills

Programming Languages	Kotlin, Java, C, C++, Swift, Dart, SQL, Assembly Language, XML, MATLAB, VHDL
Tools & Technologies	Android Studio / SDK / NDK, REST APIs, Linux, Fastlane, MySQL, SwiftUI, XCode
Frameworks & Libraries	ReactiveX, RxJava, Retrofit, Dagger, Espresso, Gradle, JUnit, Room, Okhttp, Gson
Architectures & Others	MVVM, MVC, MVP, Coroutines, Jetpack Compose, Firebase, UI/UX, Scrum, Git, Jira
Technical Practices	Unit Testing, API Design, Client/Server Communication, Multi-threaded Programming

Experience

Android Developer, Accedo, *Toronto, Canada* — Sep 2021 - Dec 2021
- Working with the mobile development team at Accedo to develop audio and video streaming native Android apps.

Android Mobile Software Developer, The Home Depot, *Toronto, Canada* — Jan 2021 - Apr 2021
- Added new features and improved codebase in multiple projects including a Shopping App with 500,000+ users.
- Pushed the app's rating from 4.3 to 4.4 and ensured a crash-free rate of 99.98% by fixing crucial bugs and crashes.
- Pioneered a re-usable text-field component by developing a custom Kotlin class saving developers 5+ hours per sprint.
- Received the Homer Award for Creating Shareholder Value in recognition of averaging 13+ Jira story points per sprint.

Mobile Application Developer, Excel Design Technologies, *Remote* — May 2020 - Aug 2020
- Developed a shopping and services app for Android using Java and Kotlin resulting in 20% increased software sales.
- Integrated Retrofit to accommodate RESTful API calls, followed MVVM architecture and a Shared ViewModel.
- Enabled multi-threading and AsyncTasks, set up a user sign-up and sign-in flow using Firebase Authentication.

Projects

GlitchPapers, Mobile App, Java, Kotlin — Sep 2021
- Developed a multi-activity wallpapers app for Android with online image retrieval through Firebase Cloud Storage.
- Teamed up with a graphic designer to provide 100+ self-designed wallpapers, formulated an In-App Purchase model.

Electric Wheelchair Controller, C, Assembly Language — Aug 2021
- Designed and fabricated an Electric Wheelchair Controller based on STM32 microprocessor on Proteus Design Suite.
- Coded the MCU's interfacing and functionality using C on STM32IDE, setup lower-level configurations using Assembly.

Connect Three, Mobile Game, Java, *arjunmehta.me/connect3* — Feb 2021
- Released a tic-tac-toe style Android game with multiple game modes on the Google Play Store, received a 5.0 rating.
- Programmed a robot using algorithms (covering 200+ scenarios) to play against the user in single player mode.

What's The Weather, Mobile App, Java, Swift, *arjunmehta.me/weather* — Sep 2020
- Created a clean and simple weather app for both Android and iOS platforms based on OpenWeather API.
- Integrated Google Places API to autocomplete city-name, attracted 100+ users with a 5.0 rating on Google Play Store.

Computer Science to Help Society, High School Projects, C++, Arduino — Jan 2019
- Developed a C++ program for a hospital's database, capable of organizing 10,000+ patient records per second.
- Constructed an Accident Prevention Sensor based on Arduino Uno with a response time of less than 5 milliseconds.

Education

University of Waterloo, Honours Computer Engineering, *2x Excellent Academic Standing* — Sep 2019 - Apr 2024
- Scholarships : President's Scholarship of Distinction ($2000) for admission average greater than 95%.
- Relevant Courses : Fundamentals of Programming, Algorithms and Data Structures, Systems Program & Concurrency.

Certifications

- The Complete Android Developer Course, iOS Development Bootcamp and RxJava for Android Masterclass on Udemy.
- Java Level 1 and Java Level 2 certifications issued by the Cambridge Certification Authority.