Maurice Edwards
Software Developer
me@mauricee.me

Education

Computer Science
Eastern Michigan University, Ypsilanti, Mi
Washtenaw Community College, Ypsilanti, Mi

Experience

Founder
MauriceE; Ann Arbor, Michigan
Founded software consultancy agency with a focus on Android apps
https://mauricee.me/

present
06/2019

- Designed, built, and deployed Android apps for various clients
- Contracted under the US government to develop health-focused Android apps for veterans
- Led an initiative to modernize an Android app by implementing modern libraries and design patterns while ensuring feature deployment

Tech used: Kotlin, Java, Android, ExoPlayer
Tools used: CircleCi, Git, Github, BitBucket, Jira, Android Studio, Google Play Console, Firebase Console

Senior Android Developer
General Motors; Detroit, Michigan
Senior Android Developer for infotainment voice assistant SDK
https://my.chevrolet.com/how-to-support/entertainment-connections/apps/alexa-in-vehicle-app

02/2019
04/2018

- Created a system-level software development kit (SDK) to enable integration of voice assistant platforms with infotainment hardware
- Developed and utilized Alexa voice assistant as a testbed for the SDK
- Implemented an efficient app compression system that reduced the size of the application by 50%

Tech used: Java, Android, AOSP, RxJava, ViewModel, Info3
Tools used: Git, BitBucket, Jira, Android Studio

Software Developer
Powerley; Royal Oak, Michigan
Android developer for Powerley white-label app
https://www.powerley.com/

04/2018
08/2017

- Optimized cold-startup time by 100% through code refactoring and performance tuning
- Developed an automated analytics tag testing dashboard to streamline testing process and improve accuracy
- Collaborated with designers to identify user needs and translate them into functional features for the product

Tech used: Java, Android, RxJava
Tools used: Git, Gerrit, Jira, Android Studio

Software Developer, Software Developer II
TDAmeritrade; Ann Arbor, Michigan
Software developer for Amerivest platform
https://play.google.com/store/apps/details?id=com.tdameritrade.amerivest

- Collaborated with team to transition from Xamarin-based app to fully native, propelling app to be highest rated TDAmeritrade app in Play Store
- Designed and implemented continuous deployment workflow, reducing bugfix turnaround to under a day
- Utilized Jenkins to build workflow for unit and UI tests on pull requests and master branch nightly

08/2017
01/2016

Tech used: Java, Android, RxJava2, Firebase
Tools used: Git, BitBucket, Jenkins, Jira, Android Studio

Clients

New York Public Library SimplyE
https://www.nypl.org/books-music-movies/ebookcentral/simplye
Open source e-reading app

- Contributed as a vital team member to the Android version of the app, working effectively with a team of 5 to deliver high-quality results.
- Demonstrated exceptional problem-solving skills by identifying and fixing various bugs, ensuring a smooth user experience and maintaining the app's stability.
- Successfully implemented various features around new design mockups, meeting the client's specifications and providing a visually appealing and intuitive user interface.

Tech used: Kotlin, Firebase, Exoplayer, Moshi, Paging3, Compose, DataStore, Room, Media2, ViewModel, Glide, RxJava3, Retrofit, Okhttp, Navigation Component, Kodein, Material Components
Tools used: Git, GitLab, Android Studio

VA Sync my Health Data
https://play.google.com/store/apps/details?id=gov.va.smhd&hl=en_US&gl=US
Companion App to aggregate various health devices' data

- Played a major role in the transition of the app from Xamarin.Forms to native Android, contributing to a more efficient and streamlined codebase and improved user experience.
- Designed the app architecture with a focus on reactive principles, contributing to high performance and responsiveness of the app.
- Contributed to the seamless integration of the Google Fit SDK into the app, allowing the app to pull health data saved in Google Fit and provide users with valuable insights into their health and fitness goals.

Tech used: Kotlin, Firebase, Exoplayer, Moshi, Paging3, DataStore, Room, RxJava3, Kotlin Flow, MVI, Retrofit, Okhttp, Navigation Component, Koin, Material Components
Tools used: Git, GitLab, Android Studio

VA Whole Health
https://mobile.va.gov/app/live-whole-health
Wholistic health app targeted at veterans

- Collaborated closely with the team to create design patterns that were used to implement various features, resulting in a consistent and cohesive user experience.
- Made significant contributions to the implementation of various features, ensuring they were delivered on time and met the client's requirements.
- Took a leading role in the implementation of an achievement system, allowing users to set dynamic health-based goals and track their progress, resulting in a more engaging and personalized user experience.

Tech used: Kotlin, Firebase, Exoplayer, Moshi, Paging3, DataStore, Room, MVVM, Coil, RxJava3, Retrofit, Okhttp, Navigation Component, Kodein, Material Components
Tools used: Git, GitLab, Android Studio

Connect Space

https://www.connect.space/

Event management software for coordinators and visitors

- Led the development of an Android app, working collaboratively with cross-functional teams to ensure seamless functionality and excellent user experience.
- Collaborated with the design team to create custom views that matched mockups while maintaining Android's native design language, resulting in a consistent and visually appealing app.
- Successfully led the transition of the codebase from Java to Kotlin, improving the maintainability of the code and the productivity of the development team.

Tech used: Kotlin, OpenTok, Stream.io, Firebase, Exoplayer, Moshi, Paging3, Compose, DataStore, Room, Media2, ViewModel, Glide, RxJava2, Retrofit, Okhttp, Navigation Component, Dagger2/Dagger-hilt, Material Components
Tools used: Git, Github, Android Studio, Google Play Console, Firebase Console, Zeplin