Byaruhanga F

iOS Developer, 3+ years experience
Kampala, Uganda
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I am an iOS App Developer with a background in telecoms, which has equipped me with a wide variety of cross-transferable skills. These include effective communication and a continuous drive to learn and tackle challenges. But what fuels my fire the most, is the magical feeling of transforming a blank canvas into something extraordinary! When I delve into the realm of coding, I find myself in a playground of creativity, where I can imagine solutions to intriguing problems. My ultimate goal is to harness these skills like a superhero and craft apps that bring joy and significantly improve the lives of their users. When I'm not hunched over my screen working on my newest project, I actively contribute to open-source projects and enjoy sharing knowledge online through the Developer community on Kodeco's Discord platform.

INDUSTRIES: Weather, Lifestyle

TECHNICAL SKILLS

• Swift language	3 years & 5 months
• SwiftUI	3 years & 5 months
• UIkit	3 years & 5 months
• Combine Framework	3 years & 5 months
• Core Data	3 years & 5 months
• Core Location	3 years & 5 months
• Firebase	3 years & 5 months

PROJECT DETAILS

• Atlas October-2022 - February-2023

Project Description: Atlas is a partial weather app demo that utilizes the openweathermap.org API. The app displays the current temperature at the user's current location. It offers a range of features such as the ability to add, remove, view, and save temperature data for favorite cities. Users can also swipe to access a map view, which displays their favorite cities on the map. Moreover, the app allows users to customize the theme, app icon, and temperature units to suit their preferences.

Responsibilities: ● Transforming Design: I transformed the provided designs into a fully functional and visually captivating iOS App. With meticulous attention to detail, I implemented design elements and crafted engaging user interfaces resulting in a delightful and immersive user experience.

Technologies: UIKitSwiftUIMapKitCore LocationURLSessionCombineXcodeXcode-Cloud

Industry: Weather

Link: https://github.com/byaruhaf/Atlas

• Meet Dates December-2022 - August-2023

Project Description: Meet is a dates marketplace that efficiently helps users plan and share experiences. Dates are listed on the home view based on the user's geographical location. In the plan view, users can post, agree upon, and track dates. Once a date is confirmed, users can chat with the other party involved in the date.

Responsibilities: ● Transforming Design: I transformed the provided designs into a fully functional and visually captivating iOS App. With meticulous attention to detail, I implemented design elements and crafted engaging user interfaces resulting in a delightful and immersive user experience. ● Backend Integration: I integrated Firebase services, such as authentication, Firestore, and push notifications, into the iOS app. This integration has significantly enhanced functionality, user engagement, and the overall user experience. Leveraging Firestore, I efficiently manage data storage, empowering users to access real-time information seamlessly. Moreover, through meticulous optimization of data management processes, I have further elevated the app's performance and reliability, resulting in reduced costs for Firestore read and write operations. ● GPS Proximity Search: I implemented proximity-based search features utilizing the Geohashing algorithm for the dating app. By leveraging this algorithm, I enabled location-based functionalities that enhance the overall user experience. Users can now efficiently and accurately discover potential matches, events, or venues nearby. This unique and personalized feature adds convenience and excitement to the app, making it easier for users to connect with others in their vicinity.

Technologies: SwiftUI, Core Location, Firebase, async-awaitStream, TestFlight, Combine, Xcode, Xcode-Cloud

Industry: Lifestyle

Link: https://testflight.apple.com/join/GsHXgPic

EMPLOYMENT HISTORY

• iOS App Developer December-2022 - August-2023

Description: Transforming Design: Utilizing my knowledge of SwiftUI, I skillfully translated the provided designs into a seamlessly functional and visually captivating iOS App, ensuring an exceptional user experience. Stream & Firebase SDK Integration: I integrated SDK services, such as authentication, Firestore, Chat and push notifications, into the iOS app. Proximity with Geohashing: I implemented proximity-based search features utilizing the Geohashing algorithm for the dating app.

EDUCATION

• Bachelors degree in Electrical and Electronics Engineering from Makerere University 2002 - 2006

LANGUAGES

• English - native

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