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# Angela Mugo

IOS DEVELOPER

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## SKILLS

Swift, Objective-C, Python, Flutter, Dart, SwiftUI, AppKit, UIKit, Alamofire, Combine, AsyncAwait, Memory management, Software development lifecycle, API design, unit testing techniques, XCUITest, Xcode Instruments

## EXPERIENCE

Exercism MacOS(<https://github.com/apps-fab>) - *Lead Developer*

SEP 2022 - PRESENT

- **API Integration:** Integrated Exercism's open-source APIs using **URLSession**, **AsyncAwait**, and **Combine**
- **User Interface:** Designed and implemented an intuitive user interface using **SwiftUI** and **AppKit**, ensuring a smooth and visually appealing user experience
- **Accessibility:** Ran accessibility checks and implemented accessibility features to make the apps user-friendly
- **CI and App Store Management:** Integrated **Xcode Cloud** to manage the release and beta testing of the app versions and **Notarization**
- **Exercism Swift API:** designed and built an API for the MacOS Exercism app

Shelfy, Remote - *Mobile Developer*

JAN 2023 - PRESENT

- **Development:** Built the online marketplace using **Flutter** and **Dart**, enhancing user engagement
- **Design:** Utilized **Figma** to design and iterate on the app's user interface, ensuring an intuitive and user-friendly experience
- **Machine Learning Integration:** Implemented an image retrieval and recommendation system utilizing **TensorFlow** to enhance visual search capabilities
- **API Integration:** Integrated the **WhatsApp API** to enable seamless in-app communication, enhancing user interaction
- **CLI Development:** Developed a CLI using **Docopt** to interact with the Python Image Processor, facilitating efficient image management
- **Documentation:** Authored comprehensive app and API documentation to support future development and maintenance
- **State Management:** Used Riverpod to manage app state for the complex user app

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### 37 Signals, Remote - *iOS Developer*

JAN 2022 - AUG 2022

- **Feature Development:** designed and developed features for the email app (Hey) and project management tool (Basecamp), ensuring high-quality user experiences
- **Performance Optimization:** Utilized **Sentry** and other monitoring tools to maintain 99% app uptime, significantly enhancing app reliability and user satisfaction
- **CI:** Used **Fastlane** to manage the release and testing of app releases
- **Accessibility Improvements:** implemented accessibility elements to ensure products met iOS Human Interface Guidelines, making the apps more inclusive and accessible
- **Quality Assurance:** Wrote extensive UI and unit tests using **XCTest** to improve test coverage and app stability, leading to a 20% reduction in reported bugs post-release
- **User Feedback Integration:** Used an in-house customer support tool to track and resolve queries, contributing to enhanced user support and faster issue resolution
- **UI Components:** Developed smaller UI components in **SwiftUI**, contributing to a more responsive and modern app interface

### SafeBoda, Uganda - *Senior iOS Developer*

SEPT 2019 - SEPT 2021

- **Feature Development:** Scoped, designed, developed, and tested new features on mobile apps while working on a multidisciplinary team
- **Business Pivot:** Developed new features to pivot to a food delivery vertical during the pandemic, ensuring business continuity
- **UI Components:** Implemented UI components using **UIKit** for the ride-hailing vertical app and **ARKit** for KYC features in the Fintech vertical
- **Quality Assurance:** Maintained app quality by collaborating with the QA team and utilizing debugging and analytics tools like **Firebase**

### Andela, Remote - *Software Developer*

NOV 2016 - SEPT 2019

- **Objective-C to Swift:** Rewrote various apps from Objective-C to Swift.
- **Swift Development:** Built various apps using Swift from inception to market delivery.