



Mobile Apps Developer Intern

Role Description:

Develop mobile applications (Android/iOS) to allow plantation owners and field workers to access key maps and insights.

Key Responsibilities:

- Build front-end and back-end of mobile application
- Integrate map layers and allow field-based interaction (e.g., drawing, location capture)
- Handle offline caching and mobile responsiveness
- Coordinate with backend and data team

Requirements:

- Bachelor's in Computer Science or related field
- Experience with Flutter, React Native, or native Android/iOS
- Familiarity with mobile map SDKs (Mapbox, Leaflet mobile wrapper)
- API consumption and offline sync capabilities

Scope of Service:

- Deliver a stable mobile version of the web platform
- Optimize for low-bandwidth areas
- Support multilingual UI if required

Detailed Tasks:

- F.1 Mobile development (Front End)
 - Build Flutter/React Native-based mobile interfaces (dashboard, map viewer).
 - Support navigation between map screens, reports, data, and user profiles.
- F.2 Mobile development (Back End)
 - Connect mobile applications with backend APIs to retrieve map data and metadata.
 - Implement caching and loading screen for signal-limited areas.
- F.3 External API
 - Provide data from Sentinel/GEE (via backend or directly, if permitted) to be displayed on mobile.
- F.4 Front & Back Integration
 - Implement user authentication.
 - Arrange data synchronization and notification updates from the main system.
- G.5 Mobile testing
 - Conduct cross-device testing to ensure performance across screen sizes and OS.
 - Handle errors and bug fixes before deployment.
- H.4 Mobile app deployment



- Build and submit the app to Google Play Store and/or App Store.
 - Arrange installation and maintenance documentation.
- I.2- I.4 Mobile user training & feedback
 - Conduct a media to accommodate user feedback (e.g. User feedback feature or Button to direct user to Google Form)

Application Deadline by: 18 June 2025

Link for Submission of Information: <https://forms.gle/4VAG5Wj3deeqzwg98>

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