

Job Opportunity: **Ecological Momentary Approaches (EMA) Mobile Application Developer**

Location: **Nairobi**

Application Deadline: **15th December 2023**

Introduction

Africa Mental Health Research and Training Foundation (AMHRTF) is a non-governmental organization, based in Kenya dedicated to research in mental and neurological health and, substance use to generate evidence for policy and best practice in the provision of affordable, appropriate, available and accessible mental health services.

AMHRTF in collaboration with Columbia Global Centers (CGC), Nairobi is seeking an accomplished Mobile App Developer. CGC is a part of Columbia University's global network of centers which serves as a regional hub for research and collaboration as part of Columbia University's strategy to achieve a global presence and links the continent to Columbia's scientific rigor, technological innovation, and academic leadership.

About the role

The developer will help us in developing and testing of a smartphone-delivered climate adaptation and Intimate Partner Violence and related stress intervention for residents of informal settlements in Kenya using ecological momentary approaches (EMA). The platform should prompt user to complete the EMAs and ecological momentary intervention three times a day during specified occasions.

The developer should be able create a secure and user-friendly application for Android and iOS users. The app should provide country-specific, gender-sensitive, and research-focused information, generating reports for various stakeholders. The ability for data anonymization, user feedback, and high interoperability are paramount.

Duties and Responsibilities

Expected deliverables:

- ✓ Fully functional Android application (with source code).
- ✓ Fully functional iOS application (with source code).
- ✓ Fully functional Web application (with source code).
- ✓ Comprehensive user manual.
- ✓ Initial system administration training.
- ✓ Maintenance and update schedules.

Timeline

The full development phase spans 6 months, running from January 2024 to June 2024. Working prototypes are expected in the first 3 months.

REQUIRED SKILLS & QUALIFICATIONS

1. 2+ years in application programming interfaces (API), Technical support, Testing and debugging, leadership skills, Web service and application development, Communication.
2. Proven experience as a Mobile and or Web Application developer with proficiency in Android studio, Kotlin, JavaScript, python, and C++ or C # as well.
3. Experience with database technologies like MS SQL Server, Oracle, MySQL, Sybase, or Informix
4. Experience with development frameworks e.g. Django, node JS, Angular, etc.
5. Bachelor's degree in computer science, software engineering, or a related field will be an added advantage.

Application Process

1. Technical Proposal

Applicants are requested to submit a technical proposal outlining their understanding of the TORs (Terms of Reference) and the methodology to achieve the deliverables. The proposal (2 pages maximum) should include:

- ✓ Functional requirements
- ✓ User Interface and Design
- ✓ Technical Requirements (Android, iOS, Web App)
- ✓ Integration of Third-Party Services
- ✓ Testing and Quality Assurance
- ✓ Timeline with Milestones
- ✓ Deployment and Ongoing Support

2. Financial Proposal

Provide a detailed financial proposal outlining the delivery schedule. Present a well-structured budget breakdown that reflects a clear understanding of project needs.

3. Profile

Include a company profile and the resumes of the development individual/team, if applicable and share samples or links to past similar successful app projects.

How to Apply

Please submit your applications and portfolio to info@amhf.or.ke by the 15th of December 2023.

Use “**Ecological Momentary Approaches Mobile Application Developer**” as the subject line. Please note that due to the anticipated volume of applications, only shortlisted candidates will be contacted.

AMHRTF does **NOT** charge a fee at any stage of the recruitment process (application, interview, meeting, processing, training, or any other fees).