

TERMS OF REFERENCE
Android Developer
Short Term Consultant
Sindh Social Protection Authority

Background

Government of Sindh (GoS), through the Sindh Social Protection Authority (SSPA), is implementing the “Strengthening Social Protection Delivery (SSPDS) System in Sindh” project with the assistance of the World Bank to strengthen social protection service delivery system and enhance accessibility and utilization of mother and child health services in selected districts in Sindh.

The project will support three components, financed through an Investment Project Financing (IPF) instrument, with US\$200 million from the International Development Association (IDA) and US\$30 million from counterpart funding. The Project components are: (a) Strengthen Sindh Social Protection Service Delivery Systems to support the modernization of systems and processes to fully operationalize the newly established Sindh SP Authority and improve its institutional capacity by strengthening the administrative, operational, policy, and planning functions and capabilities, including the development of energy efficient/climate-smart information technology (IT) systems and capacity building through the provision of technical assistance; (b) Mother and Child Support Program (MCSP) focusing on birth and first 1,000 days where risks and needs are high but programmatic responses are weak; the main objective of this component is to create demand for Maternal and Newborn Child-Health (MNCH) services and promote behavioural change to increase uptake of the MNCH services focusing on the first 1,000 days of life through the provision of CCTs in selected districts; and (c) Contingent Emergency Response with zero allocation, providing the Borrower to gain quick access to Bank financing to respond to a crisis or emergency. As part of a comprehensive disaster risk management strategy, the Contingent Emergence Response Component typically provides support for immediate rehabilitation and reconstruction needs.

Objectives of the Assignment

The **Android Developer** will be responsible for the design, development and integration of SSPA software applications (frontend) required to support SSPA’s day to day operations including exchange with external stakeholders and the decision-making process within SSPA across hierarchy of field and head office.

Responsibilities and work scope:

- I. Plan, design, develop, and maintain Android applications for devices running the Android operating system using Java or Kotlin programming languages and tools such as Android Studio
- II. Bug fixing to ensure they perform well and meet the needs of users
- III. Keep up with new technologies and industry trends to ensure that apps are using the latest best practices
- IV. Proven working experience in Android app development and have published at least 10+ original Android app
- V. Experience working with remote data via REST, SOAP and JSON, XML and with third-party libraries and APIs
- VI. Must have working knowledge and implementation on code obfuscation and build flavors
- VII. Good to have knowledge of writing SQL, Stored Procedure, Triggers, Views and Cross

Platform Mobile Development

- VIII. Write clean, maintainable, and efficient code, and develop new features and functionalities to meet the needs of the organization
- IX. Document software design, coding, testing, and deployment processes to ensure that the software is maintainable and easy to understand
- X. Plan and manage software projects, including defining project scope, setting deadlines, and ensuring that projects are completed on time and within budget
- XI. Perform any other function, as assigned by the management, related to the assignment

SUPERVISION

The professional will work with MIS department to perform the assigned tasks and will report to the MIS Specialist.

QUALIFICATIONS AND EXPERIENCE

Following are qualification/skill requirements for the position:

- At least a Bachelor's degree (16 years) in Software Engineering, Computer Science, Information Technology or a related field
- At least five (5) years' experience of working as Android Developer or similar in large software projects
- Experience rolling out app updates in various Android platform app stores
- Understand how to optimize client-facing software
- Solid understanding of the full mobile development life cycle
- Experience with Android SDK
- Expert with offline storage, threading and performance tuning
- Experience working with remote data via REST, JSON and HTTP web services
- Experience with version control i.e Git, SVN, TFS etc.
- Good analytical and communication skills

Selection Process

The selection will be made using open competitive selection in accordance with the "World Bank Procurement Regulations for Investment Project Financing Goods, Works, Non-Consulting and Consulting Services" revised in November 2020.