



## LA FONDATION

Terrain d'innovations

MSF FOUNDATION

8, rue Saint Sabin

75011 Paris

Paris, 7<sup>th</sup> June 2019

[MSF Foundation](#), a specialized entity created by Doctors Without Borders/Médecins Sans Frontières (MSF) and dedicated to innovation, won the [Google Artificial Intelligence Impact Challenge grant](#) from a pool of 2,600 candidates, to develop a smartphone application that would help doctors and clinicians diagnose [antibiotic resistance](#) in low-resource settings.

The application, known as ASTapp, would use image processing and artificial intelligence technology to make it easier for non-expert microbiologists to interpret tests that measure resistance to antibiotics. This will help guide clinicians on the best course of treatment and better ensure that patients are receiving the most appropriate antibiotics. Antibiotic resistance (ABR) has been recognized as an international public health challenge and is expected to be the leading cause of death globally in 50 years.

MSF Foundation is looking for a:

### Senior mobile developer – Offline Mobile Application M/F

#### **About the role:**

Reporting directly to the product manager and the responsible for the development of the application (app), the mobile developer will work on the development of an offline mobile app based on the React Native framework.

#### **Responsibilities:**

- Take part in defining the app architecture design, UX in particular;
- Be a lead contributor to our mobile code bases;
- Continuously discover, evaluate, and implement new technologies to maximize development efficiency
- Participate in code reviews and pair programming;
- Mentor fellow developers on mobile development best practices;
- Have an in-depth understanding of mobile framework components;
- Write required documentation;
- Take part in the production of the developed app;
- Maintain the developed software, work on fixing bugs and improving application performance;
- Actively improve quality by designing functional tests, including continuous integration;
- Collaborate with cross-functional teams to define, design, and ship new features and apps;
- Write regular activity reports.

#### **Candidate profile**

##### **Education and experience:**

- Bac +5 (Master / MBA);

- Strong programming background, experience building apps in React Native which make use of third party APIs;
- High proficiency in mobile development with apps deployed to the App Store and Play Store;
- Proficiency using devices sensors, e.g., camera;
- Experience with third-party libraries and APIs (C++);
- Working knowledge of the general mobile landscape, architectures, trends, and emerging technology;
- Expert knowledge of the Android ecosystem (Java, kotlin, NDK), Jscript, React Native framework;
- UI/UX design;
- Git.

Experience must be justified by 3+ year of work in mobile development

**Personal skills**

- You are motivated and independent in seeking out challenges, willing to explore and propose solutions;
- You have a desire to learn and improve;
- You are able to analyze, anticipate;
- You are proactive, responsible and very flexible;
- You know how to work in a team.

**Languages:** Fluent in French and English

**Considered an asset if you have:**

- Experience with image processing in mobile apps;
- Native Android and/or iOS Development Experience;
- Contribute to well-known open-source libraries.

**Status:** Fixed-term 18 month contract with potential extension- executive position - full-time, based in Paris

**Salary and conditions:** €48.000/annum over 13 months. 22 days RTT/year ("reduction in working hours" days off). Health insurance fully covered by MSF. Lunch vouchers with a face value of €9 (60% covered by MSF). Monthly travel card (50% covered by MSF).

**Start date:** As soon as possible

Please submit your application (cover letter & resume) online at :

<https://www.msf.fr/agir/rejoindre-nos-equipes/offres-emploi>

Deadline for application is **June 26<sup>th</sup> (close of business)**

**Please note that only selected candidates will be contacted**