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JOB DESCRIPTION

Position title: Android Developer (Supply Chain Traceability)
Reports to: Chief, Strategic Communication and External Relations
Start Date: Immediately
Duration: 6 months contract

Technology is rapidly developing, and its potential use cases for conservation are immense. Are you interested in addressing important conservation issues through technology? Do you have a strong proficiency in Javascript and a thorough understanding of ReactJS? If yes, we are looking for someone experienced and passionate like you to achieve a tech-focused solution to help put a stop to deforestation!

Major Functions:

Unsustainable palm oil supply chains in rural Indonesia are fraught with illegality and deforestation. We are leading a technology-focused initiative to end illegal deforestation as efficiently as possible in two of the world's most important forests for biodiversity – Tesso Nilo National Park and Bukit Tigapuluh in central Sumatra, Indonesia.

Together with multiple palm oil experts based in WWF-Singapore and WWF-Indonesia, you will support this fast-paced, high-impact initiative and work dynamically in a team of five. In this project, you will help us change the way palm oil supply chains are managed through the use of data and technology. Our end goal is to end illegal deforestation in the palm oil industry. The team will be based in Singapore, and will require frequent travels to Sumatra.

Major Duties and Responsibilities:

- Translating designs and wireframes into high-quality code
- Design, build, and maintain high performance, reusable, and reliable Java code with smooth UI
- Leverage native APIs for deep integrations
- Diagnose and fix bugs and performance bottlenecks for performance.
- Identify and correct bottlenecks and fix bugs
- Maintain code and write automated tests to ensure the product is of the highest quality.
- Design and develop mapping tools

Required qualifications:

- 1-3 years of relevant android application development experience
- Strong knowledge of Android SDK, different versions of Android, and how to deal with different screen sizes
- Strong knowledge of Android UI design principles, patterns, and best practices
- Experience with offline storage, threading, and performance tuning
- Ability to design applications around natural user interfaces, such as "touch"
- Familiarity with RESTful APIs to connect Android applications to back-end services

- Familiarity with the use of additional sensors, such as gyroscopes and accelerometers
- Knowledge of modern authorization mechanisms, such as JSON Web Token
- Knowledge of JavaScript, including DOM manipulation and the JavaScript object model with a good knowledge of HTML and CSS
- A knack for benchmarking and optimization
- Familiarity with continuous integration
- Experience working with supply chain service a plus

You need to:

- Be a self-starter with high level of drive
- Be able to work independently
- Have great organisational skills, attention and dedication to details
- Experience with working in small teams
- The ambition to develop well written and designed software
- Be comfortable with frequent travel
- Adhere to WWF's values, which are: Knowledgeable, Optimistic, Determined and Engaging

This job description covers the main tasks. Other tasks may be assigned as necessary according to organisational needs.

Interested candidates should email a CV and a cover letter with the title "Android Developer (Supply Chain Traceability)" to hr@wwf.sg.
Deadline for applications: 31 October 2018

About WWF-Singapore
WWF is one of the world's largest and most respected independent conservation organisations. Our mission is to stop the degradation of the earth's natural environment and to build a future in which humans live in harmony with nature.

As one of WWF's international hubs, the WWF-Singapore office supports a global network spanning over 100 countries. We help protect Singapore's essential needs through the actions of individuals, businesses and governments in the region. To meet key conservation goals, we address issues such as deforestation, haze pollution, food security, sustainable consumption and illegal wildlife trade.