Senior Mobile Developer (Algorithm Specialist)

Job Description

We are looking for a Senior Mobile Developer with expertise in writing algorithms to solve real world problems. The candidate will be responsible for the development of vision care solutions. The candidate will work along-side other engineers that are working on different layers of the infrastructure, along with people from different departments to understand the problems and provide solutions. Commitment to collaborative problem solving, sophisticated algorithm design, and creating quality products is essential.

Responsibilities

· Support new product development projects and sustaining projects while adhering to quality control and regulatory procedures

· Ensure the best possible performance, quality, and responsiveness of the application

· Review published algorithms, collaborate with the algorithms team to identify and/or create practical algorithms, and optimize algorithms

· Evaluate the MATLAB code or R code that will be developed by mathematician and optimize the algorithm for integration into a Java or Kotlin code

· Analyze prototypes and MVP software applications for clinical relevance with respect to accuracy and precision, which will be further optimized for overall testing efficiency

· Support software testing via technical evaluation and MATLAB code review during the clinical validation

· Create as needed any relevant requirements specifications documentation to accurately describe vision tests

Skills

· Hands-on experience in building mobile applications, specially Android native applications (using Java and/or Kotlin)

· Experience with digital system design and analysis, image processing techniques, and algorithm development

· Experience using C/C++ for Android development

· Ability to architect components with clean interfaces for easy integration

· Ability to understand business requirements and translate them into technical requirements

· Experience with offline storage, threading, and performance tuning

· Familiarity with the use of additional sensors, such as gyroscopes and accelerometers

· Knowledge of the open-source Android ecosystem and the libraries available for common tasks

· A knack for benchmarking and optimization

· Understanding of Google’s Android design principles and interface guidelines

· Proficient understanding of code versioning tools, such as Git or Subversion

· Experience working with IoT, VR/AR/MR, R or Python, Realtime Communication and data analytics would be a plus

· Bachelors Degree in Computer Science or equivalent

· [Enter the number of years of experience] years of professional application development experience

**Location**: [Enter location]

Company Introduction:

[Enter company details]