Project Title: SIHA (System for Integrated Health Analytics)

Project Description:

SIHA is a platform to collect, store and analyze healthcare data. This system uses data from wearable devices such as fitbit , Withings, Apple watch etc. These wearable devices record for example physical activity of person wearing the device. The data recorded can be analyzed to find patterns such as period of intense activity, moderate activity or sleep. Such devices and associated analysis are useful for clinicians to track and educate people suffering from diseases such as obesity, diabetes etc. to make changes in their lifestyle. The project is designed as a distributed cloud computing system using micro-services. The project uses numerous technologies that enable both a high-performance scalable system and development productivity.

Duties/Activities:

Software Design and Development (coding, testing)

Required Skills:

Problem solving, Software design, JavaScript, Python

Preferred Intern Academic Level:

Senior or graduate

Learning Opportunities:

The mission of the Software Engineering team is to create products on top of QCRI research technologies using industry-standard processes. As an intern, you will have the opportunity to learn modern technologies and distributed architectures. You will also find a unique place to learn how quality software is achieved by practicing the Agile software process and practicing the industry standard methods like unit testing and code reviewing sessions.

Expected Team Size:

2-3

Mentors

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