**Project Title**

Zaman – Enhance Capabilities of News Aggregator Mobile Application

**Project Description:**

Zaman is a mobile application that serves aggregated news content from the Arab-speaking regions. It employs a modern architecture composed of microservices and is cloud-native using Docker and Kubernetes. Different microservices are written in Python, NodeJS, Ruby, and Flutter. It also uses databases like Redis, MongoDB, and Apache Solr.

Interns for Zaman this summer will work on one or both of the following tasks:

1. Automate building, deployment, release, and testing of mobile applications using standard DevOps tools and techniques
2. Add modules to incorporate new algorithms developed by QCRI research teams into Zaman

**Project Type:**

Engineering

**Duties/Activities:**

DevOps, Software design, development, and testing

**Required Skills:**

Problem solving, Python, JavaScript, Databases, Deployment

**Preferred Intern Academic Level:**

Senior or graduate

**Learning Opportunities:**

As an intern, you will have the opportunity to complete a software or deployment feature from conception to finish. Doing so will allow you to learn software development and deployment best practices, 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 employing industry standard methods like unit testing and code review sessions.

**Expected Team Size:**

2-3

**Mentors**

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