



معهد قطر لبحوث الحوسبة
Qatar Computing Research Institute

عضو في مؤسسة قطر
Member of Qatar Foundation

Software Engineer (Big Data Collection [Social Computing + Arabic Language Technologies])

Qatar Computing Research Institute is seeking candidates for Software Engineer to join our [Social Computing](#) team (Big Data Collection) working jointly with our [Social Computing](#) and [Arabic Language Technologies](#) teams. The [focus areas](#) of the Social Computing and Arabic Language Technologies groups can be found on the QCRI website.

Job Description:

As a Big Data Engineer, you will lead the data collection, verification, analysis, processing, cleansing, and storage of social media data. You will be responsible of on-demand data crawling tasks as well as the management of a data collection process from Twitter that may be in the order of 1%-10% of daily tweets. The candidate will be actively involved with researchers in the analysis, design, development, and implementation of different storage/extraction strategies to best exploit the data.

Skills and Experience Required:

- Experience in the development of data-intensive applications involving the processing of large datasets is required.
- Experience dealing with blogs/micro-blogs and other user generated contents is required.
- Fluency in Java and at least one scripting language (e.g. Perl, PHP, Ruby or Python) is required.
- Familiarity with data mining and/or data warehousing, technologies, a plus.
- Relational database experience required, MySQL a plus.
- NoSQL database experience required, Redis or Cassandra, a plus.
- Experience applying Machine Learning or Natural Language Processing methods, a plus.
- Strong communication and collaboration skills; must be fluent in English.

Education and requirements:

- BSc in computer science or a related field from a top-tier institution
- MSc or PhD a plus
- Strong record of major accomplishments
- Strong communication and collaboration skills

Research at QCRI:

[QCRI](#) supports Qatar Foundation's mission by helping to build Qatar's innovation and technology capacity. It is focused on tackling large-scale computing challenges that address national priorities for growth and development. Moreover, QCRI is a national research institute conducting world-class applied computing research that transforms the way we interact with each other, enables new discoveries, and accelerates development of society.

A proud member of [Qatar Foundation for Education, Science and Community Development](#), QCRI is building a multidisciplinary research group in computer science with passion for innovation and excellence in research. The QCRI research program offers a collaborative, multidisciplinary team environment, endowed with a comprehensive support infrastructure.

Research in Qatar:

Qatar has made a commitment to be a leading center for research and development excellence and innovation. Home to a globally regarded scientific research funding organization, a world-class hub for technology innovation and commercialization, and prominent research institutes operating at the frontiers of science, Qatar Foundation Research and Development is spearheading a national endeavor to fulfill this commitment.

The country is home to branch campuses of numerous world-renowned universities such as Carnegie Mellon University, Texas A&M University and Georgetown University, major oil and gas companies, telecommunication companies, and international media organizations such as Al Jazeera. These local institutions offer opportunities for research collaboration to tackle new computing research challenges of practical importance.

Package:

QCRI offers a unique opportunity for strong research careers and a highly competitive compensation package including attractive tax-free salary and additional benefits such as furnished accommodation, excellent medical insurance, annual paid leave, and more.

To apply, please [click here](#) and select “Software Engineer – Social Computing.”

