**Backend biomedical software developer, SciLifeLab, KTH**

KTH in Stockholm is the largest and oldest technical university in Sweden. No less than one-third of Sweden’s technical research and engineering education capacity at university level is provided by KTH. Education and research spans from natural sciences to all branches of engineering and includes architecture, industrial management and urban planning. There are a total of almost 11,500 first and second level students and almost 1,900 doctoral students. KTH has 4,900 employees.

The School of Biotechnology at the Royal Institute of Technology offers a curriculum that reflects the multidisciplinary nature of Biotechnology, integrating theoretical and applied science in undergraduate and graduate courses. The school has six departments with about 300 employees, located at AlbaNova University Center, Stockholm and Science for Life Laboratory, Solna. The biotechnology research within the school is internationally well recognized.

SciLifeLab is a national resource center dedicated to large scale bioscientific research with focus on biomedicine, including genome and proteome profiling, bioimaging and bioinformatics. SciLifeLab Stockholm has been formed jointly by the three Stockholm universities, Royal Institute of Technology (KTH), Karolinska Institutet (KI) and Stockholm University (SU), and thus combines the profiles and strengths of these three institutions. Academic research as well as the Swedish health care system and the Swedish Life Science industry will benefit through active collaboration, access to advanced tools and active programs for knowledge transfer. The goal is to achieve critical mass for large-scale life sciences and translational medicine.

**Job description**

We are looking for an exceptionally talented programmer who is looking to make an impact and be part of creating an entirely novel analysis tool to be used in medical research and diagnostics. The successful candidate will work as a backend software developer in our team at Science for Life Laboratory in Stockholm. The development will take place in a professional, agile and dynamic environment in close proximity to research.

The position will mainly involve development of new features and maintenance of current features in Java. Additional tasks will involve data modeling (MongoDB), data analysis (Python-based pipeline and Hadoop Mapreduce), and server infrastructure work (Amazon).

***Keywords: Java, Java Spring, Big Data, Hadoop, Mapreduce, MongoDB, Amazon AWS, RESTfull APIs***

**Eligibility and Assessment Criteria**

Two years minimum of professional software development experience in Java, preferably web oriented and with the spring framework, a Bachelor Degree in Computer Science or similar, experience with Python, code repositories (Git) and agile development methods (scrum). The candidate should also have good knowledge and understanding of Unix systems and good knowledge and understanding of web services and server configuration.

Foremost we are looking for someone with a strong will to learn new things and solve problems. To be successful you will need excellent communication skills, you need to be capable to write good, elegant, robust and optimal code, and you need to be able to design and understand complex systems as well as to write and perform robust tests.  
  
**Additional professional experience and/or degrees are meriting**, as well as experience in working with image analysis/image processing or computer graphics, clusters and parallel programming, big data, MongoDB, web services like Amazon, and Hadoop Map-reduce. Experience in bioinformatics and DNA-sequencing data is also meriting.

**Employment**

Form of employment: Project employment with six months probation period.  
Salary: Salary follows the guidelines provided by KTH  
Start date: As soon as possible  
Announced positions: 1

**Application**

Application should be e-mailed to: [rekrytering@biotech.kth.se](mailto:chow@kth.se)  
Deadline for application: 2015-04-15Reference number:

The application must include the following documents:

1. Curriculum vitae
2. Cover letter

**Contact**Patrik Ståhl, PhD  
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**Union Representative**

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