Senior Bioinformatics Engineer
Knowledge Systems Group
Department of Biostatistics and Computational Biology
Dana-Farber Cancer Institute

About Dana-Farber

Located in Boston, Dana-Farber Cancer Institute brings together world renowned clinicians, innovative researchers and dedicated professionals, allies in the common mission of conquering cancer, HIV/AIDS and related diseases. Combining extremely talented people with the best technologies in a genuinely positive environment, we provide compassionate and comprehensive care to patients of all ages; we conduct research that advances treatment; we educate tomorrow's physician/researchers; we reach out to underserved members of our community; and we work with amazing partners, including other Harvard Medical School-affiliated hospitals.

Overview

The Dana-Farber Cancer Institute seeks a Senior Bioinformatics Engineer to help build a new open-source software and analytics platform for precision (or "personalized") cancer medicine.

If you:

- dream of big data
- enjoy building big, complex software systems
- thrive working within a creative team of scientists and engineers
- want to contribute to open source, and
- want to use your skills to make a positive impact on cancer care...

… we want to talk with you.

The Senior Bioinformatics Engineer is an exceptional candidate who has both bioinformatics experience and extensive software engineering experience. We operate at the crossroads of cancer genomics and software, and are looking for that rare individual who has experience and passion for both.
Our platforms are focused on mining of cancer genomic data sets, understanding resistance to targeted therapy, and identifying exceptional responders to targeted therapy. Technical and scientific challenges for this position include data mining and visualization of large-scale cancer genomic data sets, extracting information from natural language text and building web-based data analytics platforms.

**Required skills:**

- Bachelor's degree, Master's Degree or Ph.D. in Computer Science, Bioinformatics, Computational Biology or a related field.
- 3+ years of software engineering experience, preferably in the bioinformatics or cancer genomics space.
- Expert knowledge of Java and Spring.
- Strong interest in contributing to biological research with clinical applications.
- Experience in modern software development technologies, including distributed versioning systems, continuous integration, and Agile programming practices.

The candidate must demonstrate outstanding personal initiative and the ability to work effectively as part of a team. Ability to meet deadlines and efficiently multitask is a must.

**Desirable skills:** Any of the following would be significant plusses: Experienced knowledge of Javascript and any modern Javascript library, such as JQuery, Angular or D3. NoSQL database experience, especially MongoDB. Cloud computing, e.g. Amazon, Google Compute, or Digital Ocean. Any cloud devop framework experience, such as Chef, Puppet or Ansible. Natural language processing and/or handling of cancer genomics data sets, especially those generated by The Cancer Genome Atlas (TCGA) project. User interaction design and data visualization.

**How to Apply**

Email a short description of your interest with your resume / CV directly to: Ethan Cerami: cerami AT jimmy.harvard.edu.

**Equal Employment Opportunity**

Dana-Farber Cancer Institute is an equal opportunity employer and affirms the right of every qualified applicant to receive consideration for employment without regard to race, color, religion, sex, gender identity or expression, national origin, sexual orientation,
genetic information, disability, age, ancestry, military service, protected veteran status, or other groups as protected by law.