



Bioinformatics Programmer / Developer

Company Description

CareDx, Inc., headquartered in Brisbane, California, is a global molecular diagnostics company focused on the discovery, development and commercialization of clinically differentiated, high-value diagnostic solutions for transplant patients. CareDx offers AlloMap[®], a gene expression test that aids clinicians in identifying heart transplant patients with stable graft function who have a low probability of moderate to severe acute cellular rejection. CareDx is developing additional products for transplant monitoring using a variety of technologies, including AlloSure[®], a proprietary next-generation sequencing-based test to detect donor-derived cell-free DNA after transplantation.

CareDx, with its presence through Olerup, also develops, manufactures, markets and sells high quality products that increase the chance of successful transplants by facilitating a better match between a donor and a recipient of stem cells and organs. Olerup SSP[®] is a set of HLA typing used prior to hematopoietic stem cell/bone marrow transplantation and organ transplantation. XM-ONE[®] is the first standardized test that quickly identifies a patient's antigens against HLA Class I, Class II or antibodies against a donor's endothelium. For more information, please visit: www.CareDx.com.

General Description

We are seeking a Bioinformatics programmer/Developer to assist in the construction of software and processes necessary to build bioinformatic workflows for clinical tests relating to human organ transplantation. These tests include but are not exclusively next generation DNA sequencing based. Individuals should be interested in working in a strong team setting and have excellent working skills in Python / Perl, be familiar with databases, and SQL and be comfortable with Linux/Unix environments.

Responsibilities include, but not necessarily limited to:

- Help plan and produce the bioinformatic data workflows, analytical processing, develop QC metrics and provide for workflow evaluation
- Work with team to develop, implement, maintain, and monitor high data flow tests
- Prototype, develop, improve, maintain, and apply tools and pipelines for the management and analysis for large amounts of data
- Implement statistical procedures necessary for data processing and algorithm development
- Produce well-written, well-documented, and well-behaved software components
- Debug and problem solve production issues, as well as developing appropriate solutions
- Researches new technologies while keeping up to date with technological developments in relevant areas.

Qualifications/Related Experience:

- Bachelor's Degree or Master's degree in Physics, Biology or Computer Science or equivalent experience
- Work experience with large data sets
- Expertise and experience with data manipulation and analysis
- General good code documentation and version control
- Proficiency in programming in Python Perl and Unix / Linux Shell scripting
- Experience using Linux command-line tools and writing shell scripts
- Experience handling with large datasets: sequencing (NGS) data, mass-spectroscopy or other biological datasets is preferred
- Ability to program against REST APIs
- Experience with version control tools (preferably git)
- Strong team player and self-motivating
- Strong quantitative abilities and problem solving skills
- Strong attention to detail and process follow-through
- Able to work both independently and cross-functionally
- Works well in a high-performance team environment
- Excellent communication skills, both verbal and written
- Drafts complete, clear documentation
- Delivers on time as promised
- Considers, values and incorporates when appropriate recommendations from others
- Researches new technologies while keeping up to date with technological developments in relevant areas
- Experience in biotechnology or genomics environments is a plus
- Proficient UNIX/Linux with administration skills is a plus
- Experience with relational databases and SQL (Oracle preferred) is a plus
- Exposure to cloud services and cloud management systems would be a plus
- Experience with parallel computing a plus
- Proficiency in JAVA or C a plus
- Experience with regulated environments, i.e. SOX, HIPAA, CLIA, FDA, a plus

Additional desirable but not required skills:

- Investigate and build large haplotype analysis processes for HLA
- Build HL7-FHIR structures for reporting data flow
- Work as part of a cross-functional team to develop specifications and products

An important aspect of CareDx's culture is that we are passionate about what we do and we are all willing roll of our sleeves to get the job done. We are looking for a Bioinformatics Programmer/Developer who fits that expectation and who will prosper in our culture.

The position is located at our headquarters in Brisbane, CA.

Additional Information

Benefits & Perks: We provide Medical, Dental, Vision and Life Insurance, Flexible Spending and Dependent Care, Commuter Accounts, 401(k), 3 weeks of vacation, 5 days sick leave, 1 personal floating holiday, 9 paid holidays, gym reimbursement, yoga onsite, ping pong, foosball, BBQ's, social hours, and more!

CareDx, Inc. is an Equal Opportunity Employer.

Please send cover letter and resume to: HR@CareDx.com

Staffing Agencies and Recruiters

We appreciate your interest in CareDx, Inc. To develop a working relationship with us, we ask that you please contact our Human Resources Dept. at HR@CareDx.com.

All employment openings are managed through our Human Resources Dept. The CareDx, Inc. hiring managers and employees will not accept unsolicited resumes from any source.

Submission of unsolicited resumes in advance of an agreement between the Human Resources Dept. and the recruiter does not create any implied obligation on the part of CareDx, Inc.

Therefore, we request that recruiters do not contact employees directly in an attempt to present candidates. We thank you in advance for your cooperation, and look forward to possible job search collaboration in the future!
