JOB SUMMARY - Bioinformatics Software Developer
Contribute your outstanding software development ability to help drive the revolution in clinical genomics. Use
your skills to advance genomics based diagnostics in an innovative startup company: Contextual Genomics Inc. http://contextualgenomics.com, aimed at delivering state of the art molecular diagnostics to cancer patients.

Contextual Genomics
Contextual Genomics is a leading edge, genomics-based molecular diagnostics company based in Vancouver, Canada.   We are developing and deploying novel cancer diagnostics to inform critical treatment decisions for cancer patients and their oncologists. Founded by world leaders in cancer genomics, Contextual Genomics is leveraging the power of next generation sequencing technology to improve the sensitivity, throughput and quality control of DNA based sequencing assays for tumours. Bring your exceptional software development skills to our team to help improve the lives of cancer patients.

A full-time position is available to implement bioinformatics workflows and software for novel and proprietary cancer-focused next generation sequencing assays.   The position will entail developing robust, efficient and fault tolerant software within a Linux environment.   The software developer will implement and maintain enterprise level software system comprised of raw data quality control, sequence alignment and variant calling, annotation and reporting.   The software developer will interact with other programmers, database developers, bioinformaticians, and wet-lab personnel. You have a passion for clean, organized and well-documented code combined with a desire to deliver on time and on target.

ORGANIZATIONAL STATUS
Working independently and reporting to the Chief Informatics Officer

QUALIFICATIONS
- Undergraduate degree in a relevant discipline in computer science (MSc or higher preferred).
- 2+ years experience developing software in a commercial setting or the equivalent combination of education and experience.
- 2+ years experience working in a Linux/UNIX operating system environment
- Advanced proficiency with Python
- Experience analyzing next generation sequencing data from human DNA
- Familiarity with variant or somatic mutation calling and subsequent annotation
- Familiarity with human genetics/genomics

- Familiarity working in scientific computing environments (implementation of algorithms and statistical models).
- Familiarity with the following is an asset:
  - Laboratory information management systems
  - Experience with C/C++ or Java.
  - Knowledge of RDBMS systems (MySQL or Oracle).
  - Familiarity with Git or other code versioning management software.

WORK PERFORMED
- Design and implementation of software
- Writing version controlled source code
- Writing technical documents to accompany source code
- Data analysis

More information on Contextual Genomics can be found at:
http://contextualgenomics.com

To apply for this position: email CV and cover letter to info@contextualgenomics.com with job code: CG-BIOINF003 in the header.