

Software Team Lead for Precision Medicine and Cancer Genomics

About Cambridge Cancer Genomics (CCG.ai):

We are a leading precision medicine start-up, creating intelligent software to enable oncologists to monitor response to cancer therapy in near real-time. Our team uses applied bioinformatics, machine learning, genomics, and the experience of our associated oncologists and surgeons to bring low invasive 'liquid biopsies' to cancer clinics worldwide. We are deep in the stages of R&D with clinical partnerships in California, the UK and Singapore, where we are working to understand the clinical consequences of tumour evolution during treatment. We have completed two tranches of fundraising; first from a large Cancer Centre and the prestigious Y Combinator accelerator program and later by top UK and Silicon Valley investors, and are now focused on growing quickly.

People who join us range from academics at leading research labs at the Universities of Oxford and Cambridge (and others) to ambitious young developers and machine learning engineers. Joining CCG.ai means joining an incredibly talented and motivated group of people that share our vision of pioneering an industry. Work at CCG.ai is incredibly varied and we challenge ourselves daily. We work all over the world and often travel and socialize together. You'll often find us chatting through interesting problems over a coffee or beer. We are looking for people who will fit into our diverse, supportive and stimulating company team culture, who like to overcome challenges and drive the company forwards.

About this role:

This role is in developing and maintaining NGS bioinformatics pipelines and software, to a production-level standard, for use in CCG.ai's core precision oncology product offering.

Main duties and responsibilities:

- You will lead a small team of software engineers and bioinformaticians.
- You will maintain CCG.ai's current cloud-based bioinformatics architecture.
- You will maintain CCG.ai's current software web app.
- You will develop and scale new bioinformatics pipelines to deliver a variety of analyses on a range of -omics data types.

Essential skills and qualifications:

- Experience in bioinformatics or computational biology, in applying and/or developing bioinformatics tools for NGS-omics datasets
- Experience developing software for a large customer base, and a solid understanding of software development best practices
- Experience leading a team
- Excellent Python skills and writing of production-level code
- Excellent knowledge and experience of AWS systems
- Working knowledge of front-end technologies (HTML5, CSS, JavaScript)
- Experience with Unix/Linux environments
- Experience with REST/RESTful APIs
- Data and database management (SQL/NoSQL)
- Working knowledge of versioning systems such as Git
- Experience with React
- Experience in continuous integration, testing and deployment
- Good communication to both technical and non-technical team members
- Strong problem solver
- Ability to work concurrently on multiple projects
- Ability to work independently to tight deadlines
- Thrive in dynamic, fast-paced environments

Desired skills and qualifications:

- Experience developing Web applications using Flask, Ruby on Rails, Tornado or any widely used Web Framework.
- Experience with Ruby
- Experience with software development in a regulated industry
- Familiarity with Elastic Beanstalk, Auto scalable Environments
- Previous experience in a similar role designing iPhone/Android apps or mobile and desktop web (ideally in a startup environment)
- Experience working on front-end of open source projects
- Experience developing Single Page Applications with AngularJS or React.js/Redux.

Benefits include:

- Working on world-changing technology with leaders in the field
- Dynamic, innovative, passionate, entrepreneurial team
- Inclusive company culture
- Flexible hours (outside of core hours)
- Equity and bonus-based remuneration.
- Additional employee benefits



Software Team Lead

As a team, we are committed to working together to positively impact the daily lives of cancer patients. We enjoy solving complex problems, thinking around corners and bouncing forwards through learning. Most of all we care about each other and the mission we're on together. We believe that a great workplace is one that represents the world we live in and how beautifully diverse it can be. That means we have no judgement when it comes to any one of the things that make you who you are - your gender, race, sexuality, religion or your secret aversion to cucumber water. All you need is a passion and a desire to be part of our mission.

Preferred start date: ASAP

Duration: Permanent

Salary: Competitive, based on experience.

Location: Cambridge, UK

Please apply via this link - <https://goo.gl/forms/IF98obticZuoF82E3>