

SCIENTIFIC DATA ENGINEER

Salary: highly competitive

Start date: ASAP

Location: 10 Finsbury Square, London, EC2A 1AJ

Reports to: Neil Swainston, Director of Computational Biology

To apply, please visit our website <https://www.epochbiodesign.com/> and jobs site <https://epochbiodesign.factorialhr.com/#jobs>

Who is Epoch Biodesign?

Epoch Biodesign is a well-funded, venture-backed synthetic biology start-up building a next generation platform for protein engineering. We're using this to develop solutions to tackle humanity's greatest challenges. We have already discovered an exciting and important new class of enzymes which could significantly reduce the destructive impact humans are having on the environment. You have the opportunity to join a startup at the early stages, work with a passionate group of people, team players with a high-growth mindset and work on some of society's biggest challenges. We value play, creativity and initiative as much as problem solving, intellectual curiosity and critical thinking. This approach is helping us grow a healthy, sustainable work culture and company.

Life as a Scientific Data Engineer at Epoch Biodesign – the position

As a Scientific Data Engineer, you will drive the strategy for management and analysis of a diverse range of experimental datasets across the Epoch Biodesign R&D activities. Working closely with lab biologists, you will be responsible for requirements gathering, development of ETL pipelines, data analysis and administration of data storage infrastructure. Previous experience in scientific data analysis and management, particularly in the life sciences, is required, along with the ability to learn quickly and adapt to changing requirements. If you have previous experience in bioinformatics, 'omics data analysis or scientific data management, we would love to hear from you. You will be involved in activities such as:

- Interacting with lab biologists to understand their data and metadata storage and access requirements.
- Developing and maintaining our data maintaining our platform, which is currently based on the commercial software package Benchling and storage with Google Cloud.
- Developing ETL pipelines, allowing for the automation of data capture directly from lab analytical instruments.
- Developing data analysis pipelines, delivering quick prototypes and reports, and preparing datasets for use in machine learning methods.
- Training colleagues in the use of data analysis and management solutions.
- Keeping abreast of current scientific data engineering and management best practices and bringing these into the company.
- Act as a point of contact with external software providers.

We would like to hear from you if you have many of the following:

- Strong technical background, including skills in Python, Jupyter Notebooks and related data science libraries.
- An understanding of relational, graph and document databases.

- A degree in computer science, bioinformatics, or a similar field.
- Relevant prior experience in scientific data management, ideally within the life sciences.
- Excellent interpersonal skills, with demonstrable evidence of working collaboratively in an interdisciplinary environment.
- Experience with version control systems such as Git.
- Prior skills in automated testing.
- Experience with cloud computing, ideally Google Cloud.
- An understanding of data security issues.

Cherries on the cake would be:

- Experience with 'omics data analysis and management, including NGS, proteomics and metabolomics data.
- Prior experience in lab automation.
- Experience in CI/CD.
- Knowledge of FAIR Data principles.
- Experience in software development project management.
- Previous start-up experience.

Life as an employee at Epoch Biodesign:

The benefits

- Substantial stock options via a tax efficient EMI scheme (Enterprise Management Incentive)
- Flexible start/finish around our core working hours of 10am – 4pm, to suit your life
- Cyclescheme
- Private health insurance + free eye check
- Pension scheme
- 30 days holiday excluding bank holidays
- Many other perks such as unlimited tea, freshly ground coffee, snacks, weekly team lunches, bike storage, showers and many more that we are looking at – watch this space!

Our culture is built on our six core values

- **We are humans first:** We practice inclusivity and believe we can achieve extraordinary things with a spirited, experienced and diverse team. While we are all strong individuals, we are tightly united in our positivity and common purpose.
- **Restless for change:** We are impatient for a better future. A sense of urgency drives our ambition. We are not afraid to take initiative and are proactive and self-reliant.
- **Keenly focused:** We take great pride in tackling hard problems with a pragmatic, creative and resilient mindset. We are curious and focused on executing innovative and effective solutions rooted in the integrity of quality science. Our 'get it done' attitude is infectious.
- **Success is a joint effort:** We communicate early and often with one another and are open and transparent. Our culture of collaboration is built upon mutual respect, trust and gratitude.
- **Strive for balance:** Besides employees, we are parents, carers, friends, and people with interests outside of the office. When this is recognised and respected, we are the best version of ourselves and will do the best job.

- **Enjoy the journey:** We all have the opportunity to shape and own the future. A positive working environment, attitude, and a sense of humour are key to stimulating creativity and achieving a sense of well being.

Equal Opportunities Employer

Nurturing a diverse and inclusive environment is central to what we are building at Epoch Biodesign. We are passionate about hiring and supporting the best talent based solely on the basis of role requirements.

We do not discriminate on the grounds of gender, sexual orientation, marital or civil partner status, pregnancy or maternity, gender reassignment, race, colour, nationality, ethnic or national origin, religion or belief, disability, or age.

We maintain zero tolerance towards discrimination of any kind. If you need us to make any adjustments to our application or interview process to enable you to be at your best, please let us know.

Average Interviewing Timeline

We strive to be expeditious in our hiring process. Embodying our value of a sense of urgency and fast decision making, we aim to make this process as efficient as possible and remain respectful of your time.