Our mission is to make biology easier to engineer. Ginkgo is constructing, editing, and redesigning the living world in order to answer the globe’s growing challenges in health, energy, food, materials, and more. Our bioengineers make use of an in-house automated foundry for designing and building new organisms. Today, our foundry is developing over 40 different organisms to make different products across multiple industries.

As we do all of this, we create tons of data. We’re looking for an amazing Data Engineering Manager to leverage all of that information by designing and building the best data technologies that will drive how bioengineers design organisms at scale. You will succeed in this role if you are a data engineer who has effectively defined and delivered strategies and technologies to power analytics and decision making. You need to work well with other engineers and scientists through clear and effective communication, and have a track record of leading data engineering teams. You will thrive if you are a motivated self-starter, who is eager to grow and guide one or more teams that develop the data infrastructure to engineer better organisms faster.

Responsibilities

- Collaborate with the Head of Data to define, refine, and evolve our data strategy
- Create and track the Data Technical Roadmap to implement our data strategy
- Define, communicate, and maintain the Data Architecture to support analytics, machine learning, and decision making
- Implement databases, ETL processes, and related technology as defined in the Data Architecture
- Lead the Data Engineering team to build the necessary technology
- Ensure timely deliverables of data technologies by monitoring progress and removing obstacles
- Ensure quality data deliverables by maintaining high standards and implementing processes
- Build up the Data Engineering team, and guide the technical and professional development of individual team members
- Champion and implement continuous process improvements to enhance team productivity

Requirements

- 10 years of experience building data strategies and data analytics technology
- 5 years of engineering management experience, with a proven track record of building teams that deliver incredible products
- Bachelor’s degree (or higher) in computer science or related field
- Industry experience with biology, biological engineering, synthetic biology, or related field strongly preferred
- Proficiency in agile development and machine learning
- Demonstrated ability to break down complex problems into actionable steps
- Eagerness to work with the best scientists and engineers to develop new data tools and solve never-before-seen scientific challenges