



Senior Software Engineer, Life Sciences Team-US-

- ✓ Full time
- ✓ 100% Remote
- ✓ Permanent Employee

Who we are

We power model-driven businesses with its leading Enterprise AI platform trusted by over 20% of the Fortune 100. We accelerate the development and deployment of data science work while increasing collaboration and governance. With us, enterprises worldwide can develop better medicines, grow more productive crops, build better cars, and much more. Founded in 2013, Domino is backed by Coatue Management, Great Hill Partners, Highland Capital, Sequoia Capital and other leading investors. For more information, visit www.domino.ai

What we are building

The Life Sciences Team is revolutionizing the discovery and delivery of transformative therapies by empowering researchers, operators, and regulators with innovative tools and solutions. Our mission is to:

- Leverage industry-leading assets—data, metadata, and code—to deliver AI-driven efficiencies across the development lifecycle
- Integrate seamlessly with niche tools and frameworks while embedding role-based insights into user workflows
- Set the Gold Standard for collaboration among Sponsors, Academic Institutions, and Regulatory Bodies, ensuring the highest standards of reproducibility, auditability, and knowledge sharing

By fostering collaboration and enabling faster, safer therapy development, we're setting a new benchmark for excellence in Life Sciences.

What your impact will be

- ✓ In your first year, you will
- ✓ Enhance our Datasets functionality to allow access via APIs, complementing traditional file system mounts
- ✓ Improve Git repository and version control support within our Projects and Workspaces
- ✓ Design and implement regulatory compliance features aligned with FDA requirements, ensuring the authenticity, confidentiality, and validation of electronic records
- ✓ Build end-to-end audit logging to provide comprehensive workflow transparency
- ✓ Automate external data version tracking to improve lineage and reproducibility for third-party data sources
- ✓ Optimize workspace performance, focusing on Kubernetes-based compute-on-demand IDE functionality

What we look for in this role

- ✓ 5+ years previously in a software engineering individual contributor role
- ✓ *Building Scalable Systems*: Developing and managing high-performance back-end systems in distributed compute environments
- ✓ *Cross-Functional Collaboration*: Integrating back-end systems with front-end interfaces and third-party services
- ✓ *API Development*: Designing secure, efficient APIs using technologies like RESTful APIs and gRPC



- ✓ Performance Optimization: Profiling and fine-tuning back-end systems, particularly in cloud environments and with container technologies like Docker and Kubernetes
- ✓ *Testing and CI/CD*: Implementing robust testing frameworks (unit, integration, end-to-end) and maintaining CI/CD pipelines
- ✓ *Distributed Computing*: Familiarity with frameworks like Apache Hadoop, Spark, Ray, or similar technologies
- ✓ Back-End Programming: Proficiency in languages like Python, Java, Scala, or Go to build scalable web services
- ✓ *Architectural Design*: Experience with service-oriented architectures (SOA) and modular, maintainable system design
- ✓ *AI/ML Concepts*: Knowledge of machine learning workflows and infrastructure is a plus

What we value

- We value a growth mindset. High-performing creative individuals who dig into problems and see the opportunities for success
- We believe in individuals who seek truth and speak the truth and can be their whole selves at work
- We value all of you that believe improving is always possible At Domino Everything is a work in progress – we can do better at everything
- We emphasize an environment of teaching and learning to equip employees with the tools needed to be successful in their function and the company
- We strongly believe in the value of growing a diverse team and encourage people of all backgrounds, genders, ethnicities, abilities, and sexual orientations to apply

What we offer

- ✓ Family Health Insurance
- ✓ Unlimited Vacations (PTO)
- ✓ Excellent salary based on the candidate's seniority and experience.
- ✓ Stock Options