

Position Title: Volunteer Full Stack Engineer Intern – React, Frontend Systems, and Platform Modernization

Organization: PredictaBio Innovations

Location: Remote

Type: Unpaid Internship (Part-Time, Flexible)

Duration: 2–3 months (with potential for extension)

About PredictaBio

PredictaBio Innovations is an AI-first biotechnology startup developing intelligent software platforms that help researchers work more efficiently with scientific data, literature, and AI-generated insights. Our systems combine modern backend services with interactive interfaces that make complex biomedical workflows more accessible and usable.

As part of our platform evolution, we are looking to modernize internal and user-facing applications, including migration from Streamlit-based prototypes to a more scalable frontend architecture using React.

Position Overview

We are seeking highly motivated Volunteer Full Stack Engineer Interns with a stronger focus on frontend development and product experience. In this role, you will help redesign and build modern web interfaces for AI-powered workflows, while also collaborating with backend services and APIs.

This position is ideal for students or early-career engineers who want practical experience building polished frontend applications, integrating with APIs, and helping transition prototype systems into more scalable full stack products.

Key Responsibilities

- Help migrate internal tools and prototype applications from Streamlit to React-based web applications.
- Design and implement responsive, user-friendly frontend interfaces for AI and data-driven workflows.
- Integrate frontend components with FastAPI or backend microservices.
- Build reusable UI components, forms, dashboards, and workflow views for scientific and AI platform features.
- Collaborate with backend engineers to define API contracts and improve end-to-end application usability.
- Support authentication flows, state management, and frontend data handling.
- Improve application structure, maintainability, and developer experience for growing product needs.
- Contribute to debugging, performance optimization, and interface refinement.
- Assist in creating clean, intuitive interfaces for document analysis, retrieval, and result exploration.
- Participate in design discussions, code reviews, and weekly team check-ins.

Desired Qualifications

- Strong proficiency in JavaScript and ReactJS.
- Experience building frontend applications with component-based design.
- Familiarity with HTML, CSS, responsive UI development, and modern frontend tooling.
- Understanding of REST API integration and frontend-backend communication.
- Exposure to full stack development patterns.
- Experience working with Streamlit, and interest in migrating prototype apps to scalable web

architectures.

- Familiarity with FastAPI, Node.js, or similar backend systems is a plus.
- Strong sense of usability, layout, and frontend product thinking.
- Ability to work independently and iterate quickly in a startup environment.
- Portfolio, GitHub projects, or UI work samples will be appreciated.

Application

If you are interested in this position, please send your resume along with a brief motivational paragraph outlining your interest and relevant experience to **predictabiogeneral@gmail.com**.