



Job Title	Frontend Developer
PVN ID	VA-2403-006213
Category	Managerial and Professional
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Full Time
Annual Salary	\$95,000.00 - \$105,000.00
Hour(s) a Week	35
Closing Date	May 27, 2024 (Or Until Filled)

General Description

Founded in 2006, the mission of the CUNY Building Performance Lab (CUNY BPL) is to advance high-performance building operations and practices in existing commercial and public buildings. We focus on improving efficiency and optimizing building operations through building systems research and development; continuing education programs for facility managers, building operators, and energy professionals; and internships for CUNY students.

As part of its work with NYC government, CUNY BPL provides mission-critical support to the Department of Citywide Administrative Services Division of Energy Management (DEM) and its partner agencies for implementing New York City's ambitious climate and clean energy policies. In this role, CUNY BPL staff provide expertise in a wide range of areas related to building systems, operations, and data. This includes advanced energy data analytics, technology application development, and a host of technical skills related to physical building infrastructure and associated data. The organization works collaboratively with industry professionals, other research institutions, and several of the US DOE's National Labs; and runs an extensive internship program for CUNY students that provides real world experience across program areas.

General Description:

CUNY BPL is hiring a Frontend Developer to substantially contribute to the development, design, and delivery of applications developed internally. CUNY BPL's applications are built for the building energy efficiency space and, as such, they deal with building energy and asset data from a range of sources. The Frontend Developer will be assigned work on one or more applications with the goal of continuing current development based on defined specifications and client requirements. Applications are primarily built with JavaScript by making use of React, Nodejs, Redux, Typescript language/linter, and several third-party libraries including, but not limited to, the React Material-UI framework; and they live in a range of major platforms like GitHub, Heroku, Amazon S3, and Digital Ocean.

Other Duties

The Frontend Developer's responsibilities are expected to include, but not limited to the following:

- Design and develop user interface features based on specifications, while focusing on core elements such as application performance, responsiveness, browser compatibility, and aesthetics.
- Implement feature business logic including, but not limited to, form validation, API calls, data aggregation, error handling, and constructing visualizations in the form of maps or graphs.
- Develop and implement unit testing and validation to ensure data integrity, performance, and feature quality.
- Perform quality assurance and quality control through code reviews and user acceptance testing.
- Participate in regular progress update and other team meetings.
- Mentor and support junior developers.
- Other duties as assigned.

Qualifications

Required Qualifications:

Candidate must submit a link to a GitHub repository or portfolio with original work, to be considered for this position.

The ideal candidate will bring the following skills and experience to this position:

- Bachelor's or master's degree in computer science or software engineering fields.
- 3+ years of proven experience as a Software Developer, Software Engineer, or similar role.
- Expertise in JavaScript, TypeScript, React, Git, Material-UI, Jest, REST Architecture, and Redux
- Experience with software design and development in a test-driven environment.
- The ability to learn new technologies and frameworks quickly.
- The ability to communicate complex procedures to other colleagues with varying levels of expertise.
- Good written and verbal communication skills.
- Attention to detail and a desire to delve further into development issues and problems.

Other Desirable Skills:

- Familiarity with HTML, CSS, ESLint, npm, Docker, Auth0, Github, Websocket API, Figma.
- Experience using Functional Components, Axios, React-Hook-Form, Webpack, React-Router-DOM, Yup, Visualization Tools, APIs, jQuery, and Fastapi.