
Job Title	Frontend Developer
PVN ID	VA-2302-005420
Category	Managerial and Professional
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Full Time
Annual Salary	\$75,000.00 - \$85,000.00
Hour(s) a Week	35
Closing Date	Apr 10, 2023 (Or Until Filled)

General Description

Organizational Description:

The CUNY Building Performance Lab (CUNY BPL) provides mission-critical support to the Department of Citywide Administrative Services' Division of Energy Management (DEM) and its client agencies for implementing New York City's ambitious climate and clean energy policies. CUNY BPL staff have expertise in a wide range of areas related to building systems, operations and data, and the design and construction process. This includes energy data analytics (monthly and real-time meter data); building energy modeling (EnergyPlus and others); measurement and verification (IPMVP and ASHRAE protocols); HVAC systems; building controls; data acquisition (via BAS or field equipment); and operational improvements via Pacific Northwest National Lab's Building Re-tuning protocol. The organization works collaboratively with industry professionals, other research institutions, and several of the US DOE's National Labs; and is a participating member of the Center for Building Energy Smart Technologies (BEST), an Industry-University Cooperative Research Center funded by the National Science Foundation (NSF) in city-scale building energy systems and informatics. CUNY BPL also runs an extensive internship program for CUNY students that provides real world experience and hands-on work in each of the organization's program areas.

General Description:

CUNY BPL is hiring a Frontend Developer to substantially contribute to the development, design, and delivery of our various applications.

Our applications are built for the building energy efficiency space and, as such, they deal with building energy and asset data from various sources. You will be assigned work on one of our applications with the goal of continuing current application development based on specifications and client requirements. Our applications are primarily built with JavaScript by making use of React, Nodejs, Redux, Typescript language/linter, and several 3rd party libraries including but not limited to Google Material UI framework; and live in a range of major hosting platforms like GitHub, Gitlab, Heroku, Amazon S3, and Digital Ocean.

Candidates should provide a link to GitHub or relevant portfolio of work if possible.

Other Duties

Duties:

The Frontend Developer's responsibilities will include the following:

- Develop proposals for Initial wireframes and construction for the required features development.
- Develop and Design features (UI) while focusing on core elements such as responsiveness, browser compatibility, performance, and aesthetics.
- Implement feature business logic including but not limited to form validation, API calls, data aggregation, error handling and constructing visualization in form of maps and graphs.
- Develop and implement unit testing and validation to ensure integrity and correctness of the reported information.

Qualifications

Qualifications:

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

- A bachelor's or master's degree in computer science, software engineering, programming and software development, or related field(s)
- Expertise in JavaScript, Typescript, Nodejs, HTML, CSS, language linting.
- Familiarity with React, Redux, axios, Redux-saga, Google Material UI, or other web frameworks
- Experience using GIT and GitHub/GitLab
- Proven experience as a Software Developer, Software Engineer, or similar role
- Experience with software design and development in a test-driven environment
- Knowledge and interest in computer systems and the latest technologies
- The ability to learn new technologies and frameworks quickly.
- The ability to communicate complex procedures to other colleagues.
- Good communication skills?– both written and verbal
- Attention to detail and desire to probe further into development issues and problems.

