

## Web User Interface Developer

Job reference GWTI-JS018

### Introduction to GWTInsight (GWTI)

GWTI is a UK based PropTech Company specialising in creating real-time data driven insights on how commercial buildings are performing. We develop and employ patented technologies that underpin reduction in risk, cost and carbon and support the development of innovative **products** and solutions for our **clients**.

Established in 2017 our origins where in seeking improved risk management of commercial buildings for insurance companies through the use of IoT and telematics. An approach that had significantly disrupted the fleet and young driver insurance market in previous years. Today we provide technology products to a broad spectrum of clients.

We are an agile company retaining the drive and spirit of a start-up, we are focused on client needs and adapt our technology to ensure that we deliver value in ever project that we take on. We value open and collaborative relationships within our organisation and with our clients. A passion for valued and sustainable outcomes and challenging the ordinary underpins an innovative and responsive culture. We strive to be the best we can be, individually and collectively.

We are expanding our development team.

You will need the discipline to be able to work effectively from your own base, team working with co-workers using our virtual collaborative environment. You will also need to attend regular team days in central London or the South East and have the flexibility to attend occasional customer meetings.

Our software engineers develop using leading technologies. TypeScript is predominantly used end-to-end in our software stack from device level software through to cloud processing and UI.

We embrace Linux, No-SQL, and server-less architectures. You will have the opportunity to gain experience across device, cloud and client interface levels; however, you will have a focus area that you own - based on your background, skills and aspiration.

### UI Developer Role

You will have a minimum of three years' experience in software development, two of which were focussed on implementing solutions in Angular, preferably Angular 4.

You will be responsible for the client side of our service. Your primary focus will be to evolve a complete user interface in the form of a mobile and desktop web app, with a focus on performance and usability. Your main duties will include creating modules and components and coupling them together into a functional app. The artistic design for extensions to the UI will be delivered to you, but we will you to bring ideas to animations, CSS, and final HTML output. You will work in a team with the back-end developer and communicate with a secure web service API using standard methods.



Over time we will be expanding into 3D visualisation and so an interest in this area will be advantageous.

### Responsibilities

- Working with and supporting co-workers in the development of an efficient and joined up product
- Writing tested, idiomatic, and documented TypeScript, HTML and CSS
- Engaging with co-workers in test driven development
- Delivering the front-end application
- Ensuring high performance and cross-browser support on mobile, tablet and desktop
- Cooperating with the back-end developer in the process of expanding and refining a RESTful API

### Skills and Qualifications

- Deep understanding the nature of non-blocking and asynchronous programming and its quirks and workarounds
- Strong proficiency with JavaScript, TypeScript and HTML5
- Professional, precise communication skills
- Deep knowledge of Angular practices and commonly used modules based on extensive work experience
- Creating self-contained, reusable, and testable modules and components
- Ensuring a clear dependency chain, in regard to the app logic
- Understanding of accessibility and security compliance
- Ability to enable accessibility within single page apps
- Extensive knowledge of CSS and JS methods for providing performant visual effects and keeping the framerate above 30fps at all times
- Thorough understanding of the responsibilities of the platform, database, API, caching layer, proxies, and other web services used in the system
- Validating user actions on the client side and providing responsive feedback
- Writing non-blocking code, and resorting to advanced techniques such as multi-threading, when needed
- Creating custom, general use modules and components which extend the elements and modules of core Angular
- Experience with building the infrastructure for serving the front-end app and assets
- Architecting and automating the build process for production, using task runners or scripts
- Documenting the code inline using TypeScript annotations
- Writing extensive unit tests using automated TDD tasks
- Creating e2e test suites for all components, and running them with Protractor (or a well-reasoned alternative)
- Creating configuration, build, and test scripts for Continuous Integration

To apply please send CV with covering note to [career@gwtinsight.com](mailto:career@gwtinsight.com)

