1 Laurel Bank
Dundee,
DD3 6JA, UK

brightascension.com

+44 (0) 1382 602041
enquiries@brightascension.com

@brightascension
@bright-ascension-ltd

Senior Frontend Developer

About Bright Ascension

We are a fast growing, innovative company changing the way that software is developed in the space industry. With customers across the world, ranging from universities and space agencies, to commercial organisations and start-ups, our core technologies enable our customers to develop and operate space-based systems and services faster, cheaper and more reliably. Innovation is at the heart of what we do and it is our team which drives that innovation; this is reflected in our commitment to employee ownership, which gives all of us a voice, and a stake, in our current and future success. With offices in Dundee, Edinburgh and Bristol we now have almost 40 members of staff and plans to expand to a team of around 50 over the next 12 months. We are at a very exciting time in our ambitious growth plans and have fantastic opportunities for talented individuals to join our team.

Job summary

We are looking for a motivated and enthusiastic Senior Frontend Developer who has a strong focus on great UI design to lead our team developing the next generation of spacecraft ground software and software tools.

The role is to lead front-end development across the products in our ‘Helix’ product suite. The lead will work with their team to refine, implement and test user interfaces to designs provided by UX designers. They will collaborate with colleagues working on the backend to ensure that required end-to-end functionality is delivered according to the project schedule, budget and quality requirements. They will be responsible for front-end aspects of the CI/CD pipeline, and for maintaining engineering standards within their team. We’re currently using React.js to build our frontend, therefore good working knowledge of it is essential. In our back ends and tooling, we’re using Java and Python, so any knowledge of those languages is a bonus.

We see this role as being full time, although this is negotiable. Ideally, we would like this role to be based in either Dundee or Edinburgh, to allow for regular interaction with the teams responsible for product management, business development, sales and marketing.

Key responsibilities

- Working with UX Designers, Product managers and other stakeholders to develop appropriate UI designs.
- Acting as a subject matter expert, advising on all aspects related to front-end engineering.
- Software design, including technical specification, architectural design, detailed design and interface specification.
- Working with the chief architect and other engineering leads on cross-product concerns.
- Working with the back-end team to define APIs, functional boundaries and integration strategies.
- Working with project managers to plan, estimate and track software development activities.
- Implement, test and debug software.

- Carry out required software verification and validation activities and produce associated documentation such as test plans and test reports.
- Manage and supervise the work of engineers on your team.
- Contribute to process improvements within the company.
- Coach and develop junior engineers.

Essential skills and experience

We see experience with the following as essential to the job:

- Expert knowledge of React.js, its core principals and best practices.
- Excellent knowledge of HTML, CSS and modern Javascript.
- Typescript experience.
- Experience of NodeJS and the Express framework.
- Experience with backend systems and full-stack integration.
- In-depth knowledge of computer science fundamentals including algorithms and data structures.
- Proven experience in optimisation, scalability and security management throughout the whole product life-cycle.
- Good understanding of CI/CD tools.
- Real time high-throughput application development.
- Strong interest in continuous improvement and all aspects of software development and delivery.
- Experience leading a team through the end-to-end process of design, development and deployment.
- Redux/Redux Toolkit or other state management tools.
- Experience with UI/UX design concepts and the design process for creating user-centred, usable interfaces.
- Development and debugging of high-quality code and adherence to best coding practices.
- Use of version control systems such as Mercurial and git.

Personal skills

We're especially looking for someone who:

- Enjoys problems solving in a range of programming languages, with an interest in learning new languages and frameworks.
- Possesses strong leadership capabilities, and experience managing people.
- Has a passion for usability and creating visual interfaces which improve workflow.
- Works well both independently and in a team as part of a fast-paced technical environment.
- Is diligent, creative, and attentive to details.
- Possess strong verbal and written communication skills, both for internal and external, customer facing, interactions.
- Wants to make a strong contribution to the business, financially but also in terms of team

culture and values. You enjoy making an impact and shaping how businesses operates.

- Is consistently curious, is interested in learning new skills and is open to new ideas and ways of working.

Desirable skills and experience

We think that the following skills would definitely be valuable in this role:

- The ability to work in a Linux environment using a range of standard development tools.
- Experience in working with REST API and GRPC would be a bonus.
- Experience of building custom UI component libraries.
- Knowledge of, or exposure to, space systems in either a commercial or academic context.
- Experience in planning and executing all stages of software engineering, from design to documentation according to a specified development process.
- Experience with Java application development.

What we can offer you

- A competitive salary in the range of £55k-£65k depending on experience, with regular reviews.
- A fantastic opportunity to join a growing, innovative, employee-centred business pushing boundaries in the space industry.
- Flexible working based around core hours and options to work remotely or from one of our offices, enabling you to create your ideal work life balance.
- 36 days paid holiday per annum.
- 6% employer pension contribution.
- Company Sick Pay and Long-Term Sickness cover.
- Death in Service payment.
- As a member of the Bright Ascension team you would have a stake in the business through our Employee Benefit Trust which owns 13% of our business.
- Opportunities for international travel for exhibitions and trade shows.
- Investment in you and your skill development and the opportunity to attend relevant events and conferences to aid career / skill development.
- Company events and regular activities for social engagement and team building.
- An open, supportive, inclusive environment where you can explore your ideas and make a big difference to the product and business.

To apply please send your CV along with a Cover Letter to
careers@brightascension.com

All applicants should have the right to work in the UK.

Read more: **www.brightascension.com**