



## CAD Engineer - Industrial Visualisation

### The Company

Smart software for creative people.

The Foundry is not just a technology maker or a software seller; we are here to empower artists and designers across the world by enhancing their creative potential. We seek to create a world where people can continually raise their creative potential and to champion creative people by developing tools, technologies and processes that empower them to bring their ideas to life, more quickly and effectively.

We believe in:

- Constantly challenging
- Always being approachable
- Committed partners
- Endless enthusiasm!

Our technology portfolio is as creative as it is technical, packed full of ground-breaking, award-winning techy goodness that will have even the most demanding organization salivating!

We are a little bit proud of what we achieve at The Foundry and want to take you on our journey with us.

### The Role

We are looking for an experienced Software Engineer to join our team working on a new product within the Industrial Visualisation space. In a nutshell, we're looking for a seasoned software developer with in-depth experience of data exchange to and from one or more key CAD softwares.

Reporting to the Project's Lead Engineer, your daily work will involve the design, implementation, documentation and testing of appropriate code, liaising with other engineers in the team, the Product Manager and Project Manager as necessary to ensure that the code meets the requirements of the customer and is delivered in a timely fashion.

You will work closely with the Lead Engineer, advising them of any upcoming issues relating to the product. As an Engineer you may be asked to liaise with clients' Engineers, and with other Foundry teams including QA, Support and Sales.

# CAD Engineer – Industrial Visualisation

It will be amongst your responsibilities to understand the business and wider industry. You will be encouraged to play an active role in communicating with and visiting customers, understanding and sharing requirements and proposed solutions. When appropriate you may be required to represent and support the company and the product at external events.

## The Responsibilities

- Engineering analysis: You will be expected to provide technical input to assist the lead engineer in making engineering decisions
- Estimation: You will facilitate project planning by providing effort estimates for tasks assigned to you by the Lead Engineer. You will be expected to deliver on goals in a timely manner and provide regular progress updates
- Software Development: Design, implement and document complex software features using sound software engineering principles and always following best practice
- Mentoring: You will be expected to mentor less experienced developers and provide code reviews and advice where appropriate to ensure the quality of the product is maintained, particularly in your areas of expertise
- Documentation: You will be expected to document your work clearly and concisely in the source code and on the product Wiki site using standard documentation language like UML
- Maintenance and Support: You will help maintain the software by fixing bugs, and also by helping our Support Team answer technical questions
- Travel: Occasional trips to other countries may occur as part of this role
- Recruitment: From time to time, provide assistance with recruitment of new team members

## Required Skills

- Good communication skills, well organised, good time management
- Experience of commercial software development and best practice
- In-depth experience in using available APIs (C++/C# et. al.) to customise, extend and *access model data* within one or more of the following softwares:
  - Autodesk Revit
  - Bentley Microstation
  - Autodesk Civil 3D
- Good track record of problem solving
- Successful experience of working in a development team
- Degree level education or equivalent in Computer Science, Engineering or related field

## Desirable Skills

- Experience in using available APIs to customise, extend and access model data within one or more of the following softwares, or others:
  - Trimble Sketchup
  - Rhino
- Experience in C++ or C# strongly preferred

# CAD Engineer – Industrial Visualisation

- Experience of Python preferred
- Experience of cross-platform development on Linux and Windows preferred

## Applying

If you meet the criteria, are eligible to work and are interested, please send your covering letter, CV, salary expectations and notice period to [jobs@thefoundry.co.uk](mailto:jobs@thefoundry.co.uk) with the subject "CAD Engineer".

## More About Us

The Foundry designs creative software technologies used to deliver remarkable visual effects and 3D content for the design, visualisation and entertainment industries. The Foundry's software advances the art and technology of visual experience in partnership with creative leaders across the globe. It enables clients like Pixar, Mercedes-Benz, Google, ILM, Weta Digital, Blizzard, The Moving Picture Company and Sony Pictures Imageworks to turn incredible ideas into reality by solving complex creative challenges.

The company was founded in 1996 and is headquartered in London, with 300 staff based across offices in Silicon Valley, Los Angeles, Shanghai, Austin and the UK. The Foundry consistently invests in R&D to provide more efficient ways for its clients to bring visual concepts to life.

In 2015, the London Stock Exchange named The Foundry one of its "1000 Companies to Inspire Britain." It regularly features in The Sunday Times' Tech Track as one of Britain's fastest-growing private technology companies, most recently in 2016 when it also won the Excellence in Service Award at the International Track 200 awards. Every single film nominated for the Academy Award for Best Visual Effects in the last five years was made using The Foundry's software.

The company was acquired by HgCapital in 2015.

© The Foundry, its logo and product names are registered trademarks in the UK, USA and/or other countries.