THE FOUNDRY.

Lead 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

You will be working on an exciting project on industrial visualisation for the architectural, engineering and construction industry. You will be responsible for building and leading the engineering team to deliver an industry leading product.

- Management: As Lead Engineer you are responsible for the entire engineering process for your product including and not limited to day-to-day management of the engineers, mentoring and reviews, assigning tasks, maintenance and implementation quality. You are also responsible for taking a lead in working with Product Development, QA, Technical Authors, Support and other teams that contribute to your product deliverables

- Software design: As a Lead Engineer, you are responsible for breaking user stories into engineering tasks, and monitoring and guiding the design and implementation of high-level, complex software features. You are responsible for seeking cross engineering validation of your major design decisions by working with your Engineering Manager, Head of Engineering and CTO

- Schedules & Estimates: You are responsible for agile project planning by estimating the task backlog and assigning tasks to engineers and sprints. You are responsible for understanding the agile metrics of your team and the estimated release dates of your products

- Business Goals: You are responsible for working with the Head of Engineering and Product Development to ensure release dates meet business goals, including the allocation of more resource or the reduction of release feature set

- Quality: You will be expected to promote sound engineering process to increase product quality. It is your responsibility to promote code reviews, documentation reviews, source documentation, unit tests, manual and automated test coverage reviews, and any other measures necessary to validate engineering changes

- Reporting: You will be expected to deliver on goals in a timely manner, provide regular progress updates, and to keep your Engineering Manager, Head of Engineering and Product Manager abreast of any changes which may affect scheduling. Your estimated release dates are reported to senior management and to the board as part of the monthly board pack

- Software maintenance: You will be expected to run parallel streams of development designed to improve software quality and stability by fixing bugs and implementing minor features

- Represent The Foundry and your product team in a non-engineering capacity. For example, sales and site visits: from time to time, you may be expected to visit customer sites to demonstrate the product and gather requirements from end-users

You will report to the Engineering Manager for our New Technology group.

Essential Skills

- Experience of commercial software development to deadlines
- Track record of successful team leadership of a development team
- Successful experience of shaping a development team and mentoring junior staff
- Attention to detail, good communication skills, well organised, good time management
- Excellent knowledge of development tools processes
- Experience of driving Agile development and processes
- Good track record of problem solving
- Excellent C++ knowledge
- Strong understanding of multi-threaded CPU programming
- Strong understanding of multi-process programming
- Knowledge of 3D graphics and rendering
- Experience of cross OS development including Linux and Windows

Desirable Skills

- Knowledge of working with Unreal Engine
- Knowledge of AEC software applications and formats, e.g. Revit and AutoCAD
- Knowledge of OpenGL and graphics programming
- Knowledge of VR
- Knowledge of the Service-oriented-architecture design and delivery
- Knowledge of TCP/IP networking, public and private network topologies

Applying

To be considered for this position you will need to be eligible to work in the UK and have a valid passport for travel outside the UK.

If you meet the criteria and are interested, please send your covering letter, CV, salary expectations and notice period to jobs@thefoundry.co.uk with the subject "Lead Engineer - Industrial Visualisation".

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.

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