



## Lead FLIX Engineer

### 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 Product

FLIX is a visual story development tool for feature film, TV production, games, and more. Designed to promote fast-paced creative collaboration, FLIX removes the technical barriers that can cause frustration and slow you down.

With FLIX, directors, producers, story artists, editors, and 3D layout and previs artists can all collaborate in one easy-to-access place, letting them explore and iterate freely; deliver faster story turnarounds; and share involvement in the development of a project earlier in the process.

Instead of reinventing existing tools, Flix acts as a way to collaborate and iterate by coordinating between the tools artists know and love including Nuke, Maya, Photoshop and others. This introduces a need to coordinate between different processes that may use different technology to fit into the Flix pipeline. Both Python and Actionscript are central to Flix's architecture, as is the ability to coordinate between multiple machines to efficiently process large amounts of visual and aural data.

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Moving the product forward to take advantage of cloud technologies is an important step in taking Flix forward. Initially developed at Sony Imageworks as an on premise solution, scaling Flix to take advantage of services like AWS/Google Compute will be key to Flix's ongoing success.

## The Role

As a Lead Engineer at The Foundry, you are responsible for the delivery of a software to the requirements from the rest of business, in particular Product Management. At a high level, you will be responsible for taking these requirements through several phases, keeping the business appraised of progress towards a deadline throughout:

1. Conception - managing expectation of the timescales and cost of completion.
2. Production - leading the development and QA teams to deliver on those expectations and appraising the business of progress and blockers. You will ensure technical and architectural quality in both teams during this phase.
3. Delivery - pushing the feature set through alpha and beta phases with internal and external testers to deliver a quality solution.
4. Maintenance - improving technical quality and mitigating technical debt whilst managing and fixing any defects that might occur. This phase may occur in parallel with conception, production, and delivery of other phases.

Occasional trips to other countries, to visit customers, may occur as part of this role. This is a hands on role; you will be expected to code as well as manage the team to build the product.

## The Responsibilities

As part of leading the software teams through these phases, the key responsibilities required are:

- Software design: Breaking user stories into engineering tasks, and monitoring and guiding the design and implementation of high-level, complex software features.
- Software architecture: Understanding, and progressing, the architecture of the software you develop is essential to being successful. With the engineers in your team, you will be expected to make maintainable, testable code, paying off technical debt in a pragmatic manner as you deliver new features and functionality.
- Management: Engineering delivery of your product including, but 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 Management, Technical Authors, Support and other teams that contribute to your product deliverables and success.
- Schedules & Estimates: 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 the product and communicating this to the business.

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## The requirements

- Excellent breadth of technology - experience of Python necessary, but knowledge of web technologies and different technology stacks essential. Strong understanding of software development, e.g. multithreading, patterns, containers.
- Experience of messaging technologies, e.g. ZeroMQ/RabbitMQ.
- Experience and knowledge of cloud technologies such as AWS/Google Compute
- Experience of commercial software development to deadlines.
- Track record of successful team leadership of a development team and mentoring team members to develop their careers.
- Excellent knowledge of development tools and processes.
- Experience of cross OS development including OSX, Linux and Windows.
- Good communication skills, well organised, good time management.
- ActionScript experience beneficial

## 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 "Lead Engineer - FLIX".

## More About Us.

Established in 1996, The Foundry is a global software company headquartered in London, with offices in Manchester, Shanghai, Austin, Los Angeles and Silicon Valley. We make smart software for creative people. But we are so much more than that.

We are not just a technology maker or software seller. We are here to empower artists and designers across the world. We develop tools, technologies and processes that empower them to bring their ideas to life more quickly and effectively.

We believe in a world where people can continually raise their creative potential.

We are champions of creativity.

We're proud of what we do at The Foundry and we'd love to help you achieve your potential.