

# **Job Title:** Engineer – Software C++

**Based:** Southleigh Park House, Havant

**Report to:** Engineering Manager

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## **About SAM**

SAM is a new company with a unique mix of experience and energy.

We have the vision to deliver business-transforming solutions across the media production ecosystem. Our future-ready systems enable broadcasters, content owners and service providers to evolve their business models to succeed in the consumer-driven era.

We understand that it's not only about the future – to get there, today's needs are also paramount. Our smart, agile technology maximizes efficiency and productivity in today's rapidly changing media landscape.

SAM offers a comprehensive range of products right across the media production chain. Individually, each offers unique, class-leading capabilities.

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## **Role Objective**

SAM is a world leader in enabling broadcasters, media organisations and post production facilities to create, process, manage and deliver their valuable media content. The SAM product range encompasses the whole production chain across Live TV, News, Sports, Post and TV Everywhere. We are a truly international company with systems installed at facilities and post houses worldwide.

You will be designing and developing software solutions in order to add features to SAMs range of Media Processing Software products

## **Duties and Responsibilities**

The position will require you to:

- Discuss and agree design and development strategies with senior technical leads within the department.
- Comply with relevant standards (coding, testing and quality).
- Undertake any projects assigned to you by your manager.
- Keep abreast of technical developments.
- Contribute to associated product documentation.
- Carry out any other duties which the Management considers to be within your capabilities and experience that may be necessary to ensure the efficient operation of the department.
- Occasions may arise when assistance is required in other areas of the Company, and employees are requested to undertake other duties according to their capabilities when necessary.
- Ensure that you have read, understood and adhere to the Health and Safety procedures (07173) and accomplish the tasks required using any safety equipment provided and in accordance with the Company Health and Safety rules and procedures.

## **Technical Skills**

### **Essential**

- Expert in C/C++
- Software architecture design, API design and UML
- Good analytical and problem solving skills
- Cross platform design
- Test driven design
- Experience of both Windows and Linux operating systems
- SVN (or similar version control system)
- Strong planning and organisational skills

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## **Desirable**

- Media Industry – Video / Film / Broadcast
- MXF
- Experience with the Qt framework
- Common Media container formats (Quicktime, AVI)
- Common Essence formats (MPEG-1, MPEG-2, MPEG-4, H264)
- Knowledge of Continuous Integration practices.
- Experience with issue tracking tools
- Experience with OpenCL for GPU
- Experience with video / audio APIs
- Familiarity with contemporary open source technologies

## **Person Spec**

- The successful candidate will have good communication skills, be flexible and self motivated whilst working well in a team.
- They should possess either a good computer science degree, or a good maths science or engineering degree with a computing element
- Have experience of shipping products to customers, and maintaining versions in the field using a revision control system
- Be capable of independent working.
- Be a good communicator (written and verbal).
- Have problem solving skills
- Have the ability to travel to other UK and International sites

## **Benefits**

- 37.5 hours per week
- 33 days annual leave (including bank/public holidays)
- Company pension scheme
- Company Private Medical insurance
- Company Life Assurance
- Free on-site parking
- Career progression, long term prospects with a strong company