Job Specification: Engineering: Software Engineer
(Permanent: Full Time)

Cabot (www.cabot.co.uk) is one of the frontiers in Digital TV industry and has been developing software for Digital TV products for more than a decade in UK. We develop predominantly in C++ with an emphasis on software designs and architecture that is extendable, 'testable' and easily maintained.

We are proud to have a strong team of exceptional Software Engineers who are highly skilled and experienced in the Digital TV arena. Our Software Engineers are given the opportunity to engage in product development from initial conception to seeing them sold on the high-street.

Cabot is responsible for R&D progression for its parent company, Vestel Electronics Ltd. as well as taking a lead role in the development of market leading technologies to drive the strategic technology direction of the Digital TV business.

Responsibilities

Working closely in small agile teams to design, develop and test C++ software, for embedded Linux digital televisions (IDTVs) and set-top-boxes (STBs).

Reports directly to the Project Manager and indirectly to the Head of Engineering.

Required Skills
- High competence in C++ and C
- High competence in Object Oriented Analysis, Design and Programming
- High competence in Software Architecture
- Strong understanding of design patterns, testing and code quality
- Embedded software using various target compilers and OS
- Multithreaded and multi-process systems
- Liaising with third-parties for cross-site projects

Technical Competencies (preferred)
- Digital TV (DVB-T/S/C/T2/S2) knowledge
- Digital visual entertainment technologies (HbbTV, VoD, DRM, OIPF)
- TCP/IP based systems (IP streaming, DLNA, MPEG-DASH, HLS etc.)
- HTML, CSS, Javascript or other web technologies
- Ability to work with and understand technical specifications (e.g. ETSI, ISO and DVB)
- Knowledge and experience of Agile software development (e.g. Scrum, Kanban, XP)
- Experience with Linux, build systems and scripting (Make, BASH, Python, Perl etc.)

Person Specification

General Behaviours
- Ability to work under pressure
- Willingness to travel and provide onsite support to third parties occasionally
- Strong team player – collaborative, open and approachable
- Identifies opportunities for improvement and makes constructive suggestions for change
- Creative and self-motivated

Qualifications
- Good technical degree (or equivalent) in Software Engineering, Computer Science, Electronics or a related discipline
- Deep technical knowledge, awareness and experience in Digital TV Industry

Approved by:
Date: