



JOB DESCRIPTION

Role Title:	Senior Software Developer (MPE)
Department:	R&D
Line Manager:	R&D Engineering Manager
Employment:	Permanent, Full time (37.5 hours/week)
Location:	Remote (Home Based) Worker (with occasional travel to Head Office and/or other locations as required)

Pebble Beach Systems Limited, trading as Pebble, is a leading provider of software and solutions to broadcasters worldwide; we deliver the technology which controls the playout of nearly 2000 TV channels in more than 50 countries worldwide. We are an established, expanding global company with a head office based in Epsom, Surrey, UK.

Since the company was founded in 2000, we have established a strong reputation for technical innovation and exceptional customer service in the mission-critical space of broadcast playout. Customers include Encompass USA, ZDF Germany, Globo Brazil, MBC Dubai, Bloomberg UK, TV2 Denmark, ART Jordan and Phoenix TV Hong Kong.

This is an exciting time for the Pebble business as we gear up to launch a number of new products and enhancements, expands into new markets, and enhance our digital and online presence and promotional activities.

The Role:

Pebble is seeking a driven, motivated hands-on Senior Software Developer having a depth and wealth of solid experience with a broad range of skills across a full cycle software development to fill a newly created role in our Oceans Integrated Channel/MPE R&D team. This technical role will focus on the provision and delivery of detailed advanced solutions, to support the transition from traditional Broadcast workflows into software, IP and Cloud technology. The holder will deliver technically challenging software implementations whilst developing their skillset to increase their expertise.

Responsibilities:

The role holder will:

- Work with the Technical Lead / Architect and other R&D technical leaders to provide in-depth, modern, efficient and maintainable frameworks and implementations
- Work as both an individual and within a team environment and will be able to independently develop code solutions to larger pieces of work. Will work across the R&D department as required from time to time.

- Follow and promote best practices in the development of software, using recognised methodologies e.g., Clean Code, SOLID principles, including pair programming, peer code reviews and unit testing techniques, whilst looking for efficiencies in their working practices.
- Contribute and promote the continuous improvement of the development practices within the business.
- Will have and/or acquire higher level specialist knowledge to develop ideas and skillsets using advanced techniques whilst keeping up with Software trends.
- Investigate, develop, design and implement code solutions for new features and to address issues.
- Design, setup/configure test environments for use whilst developing code.
- Deliver solutions within the applicable budgets and timescales.
- Work with the customer support team to diagnose and fix issues.
- Provide mentoring and coaching skills to junior members of the team.
- Provide objective detailed reporting to meetings.
- Contribute and where appropriate drive Agile Scrum processes.
- Be expected to deputise for the Technical Lead/Architect as and when required.
- Assist and support the Technical Leader, Product Owner and Engineering manager as and when needed.

Skills and Attributes:

- 5+ years of industrial experience developing real-time applications for cross-platform environments.
- Use of a range of techniques supporting strong analytical and problem-solving skills for data manipulation / transformation.
- Demonstrable experience of application development using C++ in an Object-oriented development environment.
- Experience developing for Digital Television Broadcast and/or professional Audio/Video/Metadata technologies.
- Demonstrable experience and working knowledge of Test-driven environments.
- A solid working knowledge of source / version control systems, preferably Git.
- A solid working knowledge of bug/issue tracking systems, preferably JIRA.
- An understanding of the infrastructure required to build and deploy services.
- Comprehensive experience of Software development environments (e.g. Microsoft Visual Studio, Visual Studio Code).
- Demonstrable experience of the Communication and self-management skills needed to deliver on time.
- A strong team player capable of working fully remotely, whilst interacting with UK time zone requirements.
- Be driven to learn and expand their knowledge whilst supporting and mentoring others.
- Be fluent in English with excellent verbal and written skills.
- Education: A degree, or sufficient equivalent industrial experience in the field of computing, engineering, or technical science.

Ideally, the role holder will also have Experience/Knowledge of:

- The Broadcast television industry, with an understanding of workflows around: Media layout, Ingest, Automation and/or Orchestration
- Experience of Video Standards such as DVB, NDI and SMPTE specifications covering conventional SDI and IP (ST2110) technologies
- Experience of Audio using AES3, Dolby and SMPTE ST2110 standards
- Experience of Ancillary/Metadata solutions for Subtitling, Closed Caption, SCTE-35
- Experience of working with 3rd party SDKs e.g., Matrox, Dolby
- Experience working with Video Test Equipment
- AMWA NMOS specifications for IP technologies
- Solutions for Windows, Linux, X64 and ARM based systems
- Agile teams and Scrum processes
- Atlassian suite of tools (JIRA, Confluence, Bamboo, Bitbucket)
- Scripting solutions using Python
- Development with TDD and Unit-Test environments, gTest
- Docker, Kubernetes and Service Orientated architectures
- gRPC & REST interfaces
- Public Cloud deployment using Amazon Web Services or Microsoft Azure
- DevOps processes (CI/CD)
- Databases e.g., MariaDB, MongoDB

What we can offer you:

Regular objectives reviews, with the aim of developing the individual and their career path. Pebble offers a range of great benefits including a pension scheme, life assurance, Income Protection Insurance and a share incentive plan scheme.

A friendly and supportive working environment with real opportunities to excel and make a difference.

If this sounds like an opportunity you would like to explore further, please apply now by sending your up-to-date CV and a covering letter (which highlights how your skills and experience match the requirements of the role) to Human Resource at HR@pebble.tv

Pebble adopts a formal equal opportunities policy. We aim to ensure no job applicant, employee or worker is discriminated against either directly or indirectly on the grounds of age, disability, gender reassignment, marriage and civil partnership, pregnancy or maternity, race, religion or belief, sex or sexual orientation.