



Appear TV develops equipment used by broadcasters and network operators to distribute professional quality video and audio services from its origin to end users. The TV distribution market is transforming rapidly in response to consumer adoption of new technologies, and the emergence of additional screens and devices. Appear TV is therefore looking for more software engineers to extend its innovative leadership and capitalise on its large development efforts by bringing new exciting products to the market.

Software Engineer (Compression Products)

You will be part of our **Compression Products** team and participate in designing and developing products performing video and audio compression, both real time and offline. These products make use of application specific, state of the art processing elements. **We operate in an extremely competitive market where video and audio quality is the key to success.** You have a keen interest in audio and video technology. You are interested in the challenges involved in writing efficient code for embedded real-time systems. You have a positive "can do" attitude and are motivated by challenging tasks and delivery deadlines. **We can offer a chance to become an expert in the international field of digital audio and video compression.**

You possess qualifications/skills/interests in one or more of the following areas:

- **Audio and Video compression technology (MPEG2, AVC, HEVC, AAC, AC-3)**
- **Embedded platforms, multi-core CPUs and DSPs**
- **Real-time and Concurrent programming**
- **Object oriented programming, preferably C++**
- **Linux Operating System**
- **0-5 years of experience**

Qualifications: MSc. (or equivalent) with relevant focus.

Appear TV offers:

- **An informal organisation with positive energy**
- **Product development from idea to finished product**
- **A talented organisation working closely with customers**
- **State of the art products and technology**
- **An international and engaging work environment**
- **Competitive terms**

Send your application, resume and transcripts clearly marked to *estudiantes@etsit.vma.es*

APPEAR TV is based in Oslo, Norway. The company produces world-class equipment that enables operators to professional broadcast services to millions of users around the globe. We have equipment in operation in more than 100 countries across 5 continents. Our customers expect a high level of quality and expertise from their suppliers.

www.appeartv.com



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Software Engineer (Embedded)

We are looking for a dedicated embedded developer with a passion for everything low level. We want someone who wants to be a key player in bridging the software/hardware gap, someone who can read schematics, datasheets and write driver routines. As part of a small team of low level developers you will be tasked with bringing up new hardware, architecting device drivers and designing low level APIs with our FPGA development team. We strive to be at the forefront of technological innovation and we have a strong and clear commitment to deliver the very best of new broadcasting technology.

You possess qualifications/skills/interests in one or more of the following areas:

- High level of C/C++ proficiency
- Fundamental understanding of digital systems and electronics (CPUs/DDR/Flash Devices/PCIe ++)
- Development in resource constrained systems (embedded)
- Device driver development
- Knowledge of FPGA centric systems
- Code optimization and assembly language
- Writing reusable and modular code

Qualifications: Master of Science or equivalent in relevant area, 0-7 years of experience.

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Software Engineer (Streaming Solutions)

You will join our skilled software engineering team responsible for developing OTT media delivery solutions. These products enable our customers to deliver video content to a wide range of devices like smart TVs, smart-phones and tablets. The position will give you the possibility to develop your skill set by delving into different concepts and technologies, including distributed computing, database design, software architecture and C++.

You possess qualifications/skills/interests in one or more of the following areas:

- Adaptive Bit Rate streaming technologies (Apple HLS, MPEG DASH, Microsoft Smooth Streaming)
- Software architecture and design methods
- C++ programming on Linux
- Distributed and Cloud computing
- Highly available systems
- PostgreSQL (RDB)
- The entire development cycle. Specification/Design/Implementation/Test

Qualifications: Master of Science or equivalent in relevant area, 0-7 years of experience.

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Software Engineer (Applications Developer)

Our application developers are part of teams that bring customer requirements into real products. It is important to understand the underlying technology, create clear specifications, sustainable designs and software. We have a sophisticated embedded platform which enables rapid product development. Through this platform and our product domains you will gain insight into video delivery solutions and core technologies such as databases, communications protocols and networking. This position offers a mix of software design and product development tasks for the curious engineer striving for excellence.

You possess qualifications/skills/interests in one or more of the following areas:

- Software architecture and design methods
- Object oriented programming, preferably C++
- Embedded platforms, CPUs and DSPs
- Interest for modulation/signal processing/mathematics
- IP networking/ routing protocols
- Conditional Access
- MPEG/DVB Technologies in satellite and cable

Qualifications: Master of Science or equivalent in relevant area, 0-7 years of experience.

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Software Engineer (GUI Developer)

The GUI team is responsible for the web interfaces in all of Appear TV's products. You will take part in projects acting as the user interface expert, focusing on designing intuitive and friendly interfaces for professional video delivery products. You will design these in cooperation with product specialists, as well as develop agreed solutions in our software frameworks. You will also implement internal tool-kits that enable project engineers to effectively create great user interfaces. If you are interested in aesthetics, interaction design and usability, as well as good quality code, you are welcome to join our team.

You possess qualifications/skills/interests in one or more of the following areas:

- Javascript Frameworks like AngularJS / Polymer
- HTML5 and CSS
- Creating Responsive and user friendly user interfaces
- Object oriented programming, C++
- Good communications skills

Qualifications: Bachelor of Science in relevant area, 0-7 years of experience.

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Software Engineer (Systems Developer)

As a member of the systems developer group you will contribute to further develop the configuration framework API and control software. Software architecture/design, database and routing algorithms are some of the key disciplines we specialise in. The system controller software adds the business logic and is the key to all our products. You will gain a unique insight into all aspects surrounding video distribution technology. If you are an outgoing person with a structured mind that appreciates well designed and documented code, then you are the one we are looking for.

You possess qualifications/skills/interests in one or more of the following areas:

- Object oriented programming, C++
- Modelling complex products into easy manageable code.
- Platform independent, reusable and modular code
- Relational databases
- Embedded Linux
- Good communications skills

Qualifications: Master of Computer Science or equivalent in relevant area, 0-7 years of experience.

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