

JOB TITLE: DSP Audio Engineer (male or female)

LOCATION: Paris

Status: Executive

Contract: Permanent

ARKAMYS

As a recognized leader in audio signal processing, ARKAMYS develops innovative software and services for the automotive, mobile phone, virtual reality and connected objects industries.

The sound experts at ARKAMYS are renowned for their work in 3D audio, voice processing, and sound rendering. These same experts create cutting-edge solutions that optimize the speech intelligibility and audio quality of consumer electronics products.

ARKAMYS consistently delivers exciting new audio technologies across the globe, expanding its reputation over the past 16 years to create a strong presence in the USA, Europe, Japan, Korea, and China.

JOB DESCRIPTION

As a part of the DSP Audio team, you will be responsible for developing audio processing algorithms on embedded processors (DSP, ARM...). Specifically, activities include the creation of specifications, the development of algorithmic models for reference, porting, and optimization on the target, as well as for integration within embedded solutions for vehicles. Tasks also include contributing to certain architecture studies during the upstream phase of projects.

Main tasks:

- Design, coding, and maintenance of audio processing algorithm blocks;
- Porting onto the compatible target (DSP or Post) of development constraints for client projects (real-time, arithmetic, framework, environment);
- Participation in the development of demo programs;
- Writing of technical reports in English;
- Technical communication with sound engineering, configuration tool development, and validation teams;
- Interaction with external clients as well as software solution suppliers.

YOUR PROFILE

- C and C++ programming (Microsoft Visual C++);
- Real-time programming for systems embedded on processors such as ARM and/or DSP (TI, Cadence, Analog Devices...);
- Knowledge of fixed-point arithmetic implementation;
- Experience in audio systems architecture;
- Processing of signals in the audio domain;

EXPERIENCE

5 years of experience in the field of embedded audio

EDUCATION: Engineering school or equivalent master's-level university degree

LANGUAGES: English, French

COMPENSATION: Based on your profile

CONTACT: job@arkamys.com