

BSP SW Engineer

Work Location: Bangalore, India

Requirement

1. Familiar with Qualcomm audio Elite and audioreach architecture, understand Qualcomm Audio Framework architecture, familiar with the audio HAL layer code, familiar with kernel ASOC code, and have experience on typical issues, can use tinyalsa and AGM commands to debug audio functions, familiar with the PAL layer code and its related configuration files, those who understand the relevant content of QNX audio are preferred, use Qualcomm QXDM, QACT, QCAT and other tools to debug, modify acdb, and parse qxdm logs;
2. Familiar with Linux or an RTOS operating system, understand system device drivers, process scheduling and other processes;
3. Familiar with Qualcomm platform 8155/8295/8255/8775;
4. Familiar with Qualcomm's in-vehicle CAMERA architecture AIS or QCX;
5. Understand Hypervisor qnx;
6. Familiar with the Android multimedia architecture/Android qc2 architecture, understand the multimedia OMX architecture, familiar with H264 and H265 protocols, familiar with the mp4 container, understand the qnx Android dual system architecture, proficient in using ffmpeg;

Responsibility

1. Responsible for automotive BSP requirement/issue analysis and debugging;
2. Responsible for driver development and optimization under embedded Linux system, including Audio/Camera/Video;
3. Responsible for HAL issue analysis under embedded Linux/Android systems, including Audio/Camera/Video;
4. Responsible for writing technical documents and analysis reports related to this work;