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I am an Embedded Software Engineer with more than 8 years of professional experience. I have worked for Valeo for more than 6 years. I was in Valeo Engine management and Automatic parking for 5 years before i joined Valeo Camera systems and became the team leader of Valeo Camera Framework. During this 5 years i worked on 16-bits and 32 bits micro controllers in Engine management systems for OEMs as Renault and PSG.

In Automatic parking system, i worked on 16bit micro controllers as S12x micro controller and 32bit micro controllers from ST micro in future research projects for next Valeo parking system platform with Daimler.

Then i joined Valeo camera systems division with the birth of the new generation of Valeo camera system platform based on Ti DaVinci video processors. This multiprocessors chip consist of single or multiple core ARM Cortex A processor with multiple ARM Cortex M processors, Ti single or dual core DSP and SGX GPU.

I started development on the platform since its early days when we don't have even complete Ti drivers for it. I participated in some drivers modification/fixing and i wrote complete drivers for the platform such as SPI driver because Ti hadn't provided a good, bug free driver at this time.

Then i participated greatly in the development of the vision framework for Valeo vision systems on this platforms that provide the algorithms and application layer super easy usage of all the platform features like video input and output chains, cross-core and cross-processor communication, configuration and parameters handling, board control, task management, image processing, camera control and communication and so on.

I have experience in almost all layers of the software from drivers up to application and even i had introduce some modification for existing image processing algorithms.

After working for more than 1 years on this, I became the Valeo DSP framework team leader who is leading the team responsible for delivering a customised version of this framework for each project for each different OEM.

I had in my team 15 engineers with 4 to 5 projects running in parallel for OEMS as BMW, Daimler, VW, Renault and Volvo.

I remained leading this team for one and half year until i left Valeo and start working as a freelancer in April 2013.

Now, I am seeking a challenging position at a big Automotive company after i have relocated to Germany at the end of 2014.