



Visteon®

Shift your career into high gear

Requisition Number: 13316

Post Date: May 22, 2017

Title: HMI Software Architect

City: Karlsruhe

State: Baden-Wuerttemberg

Country: Germany

Description: HMI Software Architect – Karlsruhe, Germany

About Visteon

Visteon is a global technology company that designs, engineers and manufactures innovative cockpit electronics products and connected car solutions for most of the world's major vehicle manufacturers.

Visteon is a leading provider of instrument clusters, head-up displays, information displays, infotainment, audio systems, telematics and SmartCore™ cockpit domain controllers. Visteon also supplies embedded multimedia and smartphone connectivity software solutions to the global automotive industry.

Headquartered in Van Buren Township, Michigan, Visteon has approximately 10,000 employees at more than 40 facilities in 19 countries. Visteon had sales of \$3.16 billion in 2016. Learn more at

www.visteon.com.

Visteon is an equal opportunity employer committed to a culturally diverse workforce.

Our Vision

A top-three cockpit electronics player delivering a rich, connected cockpit experience for every car from luxury to entry

HMI SOFTWARE ARCHITECT – KARLSRUHE, GERMANY

About

The Visteon domain controller Center of Competence (CoC) develops state of the art platform solutions for cockpit electronics. The CoC serves as a system provider for application domains for various car ECUs. Its SmartCore™ cockpit domain controller is a security-focused approach to cockpit module consolidation that addresses the increasing complexity of cockpit electronics to improve the driving experience. SmartCore™ meets the needs of all vehicle segments through a scalable and flexible framework.

Located in Karlsruhe, Germany, we are looking for low-level HMI software architect to develop and further enhance the software architecture of SmartCore™. The HMI software architect is responsible for providing technical leadership in HMI development for next generation reference designs, which is the foundation for Visteon products.

The HMI software architect should have an excellent grasp of the third-party HMI toolchains, windowing systems and the performance of these tools in Visteon reference designs. The person in this role will work closely with the development team and interact with the customers, suppliers and internal teams –

such as Product Management, Customer Regional Engineering (CRE) and Hardware and Software Centers of Competence (CoC) teams – to realize the best possible user experience in our products.

Typical Duties

- Develop, enhance and maintain domain controller HMI software architecture for virtualized systems
- Deal with third party HMI frameworks and their integration into SmartCore™
- Provide input to domain controller technology roadmap
- Provide technical leadership in HMI development for the next generation reference designs
- Maintain documentation of detailed software architecture
- Cooperate with hardware and software teams on issues related to system architecture
- Collaborate with the product management, Visteon customer organizations and other CoC teams like OS/BSP and hardware integration in order to provide technical solutions that result on rich user experience
- Keep SmartCore™ architecture updated with state-of-the-art HMI technology
- Manage technical documentation and presentations

Requirements

- Master's degree in electrical engineering, computer science or an equivalent subject of study
- At least five years of development experience within the automotive/embedded industry
- Eight or more years of C/C++ development experience
- Professional expertise in software development and design
- Good knowledge of web browser technologies, graphic rendering tools and windowing systems e.g. Wayland/Weston
- Familiarity with operating systems as Unix/Linux
- Advanced English language skills
- High degree of self-motivation and team spirit combined with the ability to work on own initiative
- Flexibility in working hours to work with a global team
- Willingness to travel internationally

Apply for this Position

If you are interested in applying for this position, send your resume to nmckee@visteon.com, and include the requisition number in the subject of your email.