

Skills :

Reporting:

- Direct reporting to the Infotainment High Performance Computers & Zones Platform (PTFB) Manager inside Hardware Engineering Group (HWE)

Basic Qualifications

- Master of Science in Electrical, Electronic, Compute, Aerospace Engineering, or equivalent program
- Minimum of 10 years of experience in an architectural hardware/system role
- Profound knowledge of state-of-the-art hardware systems, software tools and algorithms for interfaces required for sensors, actuators, firmware development, in-vehicle bus architectures, in-vehicle CPU/GPU/NPU computing platforms, image and audio signal processors, connectivity
- Advanced knowledge on ARM based architectures
- Knowledge of Infotainment Systems and Zonal Architectures

- Deep expertise in creating safe and efficient system architectures and complex hardware-software systems including knowledge of testing

Critical Character Traits to Ensure Success:

- Be curious to drive changes
- Ability to expand his/her technical scope beyond one area
- Ability to provide solutions which give competitive advantage
- Ability to take ownership for System/Architecture design and their Implementation
- Self-starter with the ability to work independently given minimal supervision/direction
- Must Have leadership skills which can lead a matrix team
- Ability to communicate effectively in complex scenarios
- Ability to work in a team environment and be both a team player and task leader
- Respect and understanding of the Customer/Supplier relationship while embracing partnership

At Stellantis, we assess candidates based on qualifications, merit and business needs. We welcome applications from people of all gender identities, age, ethnicity, nationality, religion, sexual orientation and disability. Diverse teams, will allow us to better meet the evolving needs of our customers and care for our future.

PERMANENT CONTRACT

Build your brand. Tell your story. Take advantage of a rare opportunity to start from the ground up and build something great. We are looking for technology game changers to lead Stellantis into a fundamental transformation within the automotive industry. Technology is going to disrupt the automotive industry significantly in the next decade and our organization is seeking high potential candidates to transform the company with a focus on the customer experience. Stellantis's Software Organization (SWX) was created to build the most captivating experiences in the latest frontier of Automotive Technology.

The main job responsibilities will include but not limited to:

- To drive the HW architecture decisions design for next Stellantis generation computing system/hardware architecture, considered internal and external stakeholder requirements while reaching the highest scalable, reusable and cost optimized solutions
- To be responsible for translating business requirements into platform architecture hardware, SoCs and other components to support a scalable system solution
- To drive the Design, development, and analysis of overall platform architecture and partitioning of features onto efficient hardware to meet use cases and workloads in terms of performance, scalability, manageability, reliability, and security requirements.
- To drive the concept design, prototyping, engineering, testing, release and launch of a cutting-

edge compute platform (HPC) for IVI/Central and Zones while meeting cost, efficiency, reliability, and safety goals

- To work closely with functional peers (Software, Systems, Purchasing, Functional Safety, Cyber-Security, Product Managers, ...) targeting to establish and enable the Compute Technology Roadmap
- To build strong silicon supplier working relationships to understand product portfolio, technical performance capabilities, supply chain, and technology roadmaps
- To drive technical reviews and analysis with Tier1 & Tier2 suppliers and ensure clear understanding of technical performance requirements, capabilities, manufacturing process and supply chain
- To be responsible to develop performance specifications for computing platform based on target SoCs enabling component engineers to facilitate on-time sourcing activities in accordance with component development needs and vehicle program timing requirements
- To support internal design reviews, design assessments, design securitization activities on demand