

Senior / Principal Engineer, Electrical Architect

Your tasks

1. Collaborate with cross-functional teams to understand project requirements and objectives.
2. Define and develop hardware architectures to meet internal and external requirement, performance, reliability, and cost targets.
3. Conceptualize EE architecture design for new project acquisitions, conducting cross-architecture review and integrating EE / System / SW architecture for product design.
4. Demonstrate expertise in circuit design and EE functional block, guiding the EE team through technical domain.
5. Conduct structural calculations for designs.
6. Formulate comprehensive hardware specifications, schematics, and possess adeptness with PCB layouts design.
7. Prototype and validate hardware design, conducting results analysis and making iterative improvements.
8. Liaise with manufacturing and quality assurance teams to ensure smooth product production and launch.
9. Stay updated on industry trends, standards and best practices related to hardware architecture and design.
10. Engage in design reviews, providing technical guidance and recommendations.
11. Manage and maintain Technical Product Documentation throughout the project's Product Life Cycle.

Your profile

1. Bachelor's degree, major in Electrical Engineering or similar.
2. Proven experience with more than 5+ years' work experience in Electrical and Architecture design, preferably within automotive industry.
3. Strong understanding of digital and analog circuit design, good knowledge of Electrical Development Process cycle
4. Familiarity with Development tools such as ZUKEN, A3/8D, DFMEA, DRBFM, FTA is preferred.
5. Capable to managing high workload situations and performing effectively under time constraints.
6. Proficiency in delivering and leading technical content in a structured and systematic manner.
7. A collaborative team player with excellent verbal and written communication skills.

Our offer

1. Experience with LF/RF and UWB technologies, including system design and integration.
2. Familiarity with automotive industry standards and protocols (e.g.: ISO26262, CAN, LIN and etc).



Job ID
REF557390

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
**Continental Automotive
Singapore Pte. Ltd.**

3. Ability to effectively communicate with customers for technical discussion, understanding the design requirements and providing appropriate solutions.
4. Proficiency in documenting hardware requirements using tools such as DOORs or similar requirements management tool.

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About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.