

Software Integration Lead

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Company: Agratas

Location: Canley

Category: architecture-and-engineering

As a Software Integration Lead at Agratas, you will play a pivotal role in the integration and deployment of software solutions within our advanced battery packs for automotive applications. You will collaborate with cross-functional teams, including hardware engineers, software developers, and quality assurance specialists, to ensure seamless integration and optimal performance.

Key Duties & Responsibilities:

- * **Lead Software Integration Efforts:** Take charge of the end-to-end integration process, from concept to deployment, ensuring alignment with product development goals and industry standards.
- * **Collaborate with Development Teams:** Work closely with hardware and software development teams to integrate software components into battery pack systems, including battery management systems (BMS), communication protocols, and control algorithms.
- * **Drive Integration Strategy:** Develop and implement a robust integration strategy, considering factors such as compatibility, performance, safety, and compliance with automotive industry standards.
- * **Testing and Validation:** Oversee the testing and validation of integrated software, conducting

thorough analysis to identify and resolve any integration issues or discrepancies.

- * **Risk Assessment and Mitigation:** Proactively identify potential integration challenges and risks, and develop mitigation plans to ensure seamless implementation.

- * **Documentation and Reporting:** Maintain comprehensive documentation of integration processes, including specifications, test plans, and results. Provide regular progress reports to stakeholders.

- * **Technical Leadership:** Provide guidance and mentorship to software integration team members, fostering a culture of continuous learning and professional development.

- * **Stay Current with Industry Trends:** Stay abreast of emerging technologies, best practices, and industry standards related to battery pack development and software integration.

Qualifications & Experience:

- * Bachelor's or Master's degree in Electrical Engineering, Computer Science, or a related field.

- * Proven experience in software integration within the automotive industry or battery pack development.

- * Proficiency in programming languages relevant to battery pack software (e.g., C/C++, Python).

- * Strong knowledge of battery management systems (BMS), communication protocols (CAN, LIN), and control algorithms.

- * Familiarity with automotive industry standards and compliance requirements (e.g., ISO 26262).

- * Excellent problem-solving skills and the ability to work in a fast-paced, collaborative environment.

* Leadership and project management skills, with the ability to lead a team and manage multiple projects simultaneously.

At Agratas we strongly believe that people are at their best when they feel supported and happy in their workplace. To that end we continue to cultivate a diverse workforce which protects the individuality of each employee. We therefore warmly welcome applicants from any race, gender, sexuality, and ability.

Should you have a preference in how your suitability is assessed for this role or require any reasonable adjustments please let the Talent Acquisition team know.

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