

Job Title: BMS Developer

Location: Jaipur, India

Salary: 15 LPA

Experience: 12-15 Years

Education: BTech (Electronics) & Above

About Genus Infrastructure:

Genus Infrastructure is a pioneering company in the renewable energy sector, dedicated to designing and developing innovative solutions for sustainable power generation and distribution. With a focus on solar energy and electric vehicle charging infrastructure, we strive to push the boundaries of technological advancement to address the world's energy needs. As we continue to grow, we are seeking a talented BMS (Battery Management System) Developer to join our dynamic team in Jaipur.

Responsibilities:

- Utilize comprehensive knowledge of NXP Digital Signal Controllers to develop advanced firmware for Battery Management Systems.
- Drive the new development process, from concept generation to final implementation, ensuring adherence to project timelines and quality standards.
- Design and optimize firmware for Electric Vehicle (EV) chargers, integrating functionalities such as charging protocols and communication interfaces.
- Leverage expertise in MPPT (Maximum Power Point Tracking) chargers to enhance the performance and efficiency of solar energy systems.
- Demonstrate proficiency in the design of Sine Wave Inverters, ensuring seamless integration with battery management systems and other hardware components.
- Develop firmware using Embedded C and Assembly language for microcontrollers such as ST Microcontrollers and Renesas Controller.
- Collaborate closely with cross-functional teams to integrate BMS solutions into various renewable energy and electric vehicle projects.
- Stay updated on industry trends and emerging technologies, actively contributing to the continuous improvement of BMS development processes and methodologies.

Requirements:

- Bachelor's degree or higher in Electronics Engineering or a related field.
- 12-15 years of experience in firmware development, with a focus on BMS, EV chargers, and solar inverters.
- In-depth knowledge of NXP Digital Signal Controllers and their application in firmware development.
- Proficiency in Embedded C programming and Assembly language.
- Experience with ST Microcontrollers and Renesas Controller is highly desirable.
- Strong understanding of MPPT chargers and Sine Wave Inverter design principles.
- Proven track record of driving the development of firmware for complex electronic systems.
- Excellent problem-solving skills and attention to detail.
- Effective communication skills, with the ability to collaborate with cross-functional teams and external stakeholders.
- Prior experience in companies such as UTL, Statcon, Luminous, Smarten, or Microtek will be advantageous.

Benefits:

- Competitive salary package with additional benefits.
- Opportunities for career growth and advancement within a leading organization in the renewable energy industry.
- Work in a collaborative and innovative environment with a passionate team of professionals.
- Comprehensive benefits package including health insurance, retirement plans, and more.
- Located in Jaipur, a vibrant city known for its rich cultural heritage and quality of life.

Application Process:

- Interested candidates meeting the above requirements are encouraged to apply by submitting their resume and a cover letter highlighting their relevant experience and qualifications.
- Shortlisted candidates will undergo 2-3 virtual rounds of interviews to assess technical skills, problem-solving abilities, and cultural fit within Genus Infrastructure.

Join us in driving the transition towards a sustainable energy future! Apply now to contribute to our mission of revolutionizing the renewable energy and electric vehicle charging infrastructure with innovative solutions.