

Querétaro (El Marqués)

## Software Development Engineer

The Brose Group is growing worldwide. Innovations in research and development as well as strategic investments form the basis for extending our market position. As the fifth-largest family-owned company in this industrial sector, we are offering challenging tasks and opportunities for personal growth in a dynamic environment in the following position

- Main aim of job
- Responsible for supporting the electronics software team at the sub-system level, for Brose North America projects. Develop the requirements to describe the functionality of the Software. Develops system-level software functionality following Brose standards and methods, releasing specific software applications.  
Supports the development of projects for electronic glass risers, electric tailgates, hands-free opening and other electronic modules, as well as actuators for electric doors and brushless motor design. Is developed as a technical interface between the different internal groups of Brose. Develops algorithms to meet the functional requirements of mechatronic systems.
- Tasks:
  - Develops software applications for automotive controls, instruments and systems, with a special focus on embedded programming in C / C ++ for Motorola and ARM microcontrollers.
  - Designs and directs engineering personnel in the manufacture of test control apparatus and equipment and determines methods, procedures, and conditions for testing software products.
  - Develop software timing charts, monitor tasks and milestones, identify critical elements.
  - Coordinates the creation of the required documents, drawings and specifications.
  - Development of software test units, maintaining test environments using CANoe, CANape, CAPL, Tessa, etc..
  - Makes sure to maintain the SRS, SIL, SPICE, CodeBeamer and GIT infrastructure.
- Competencies:
  - Bachelor's Degree in Mechatronics, Electrical, Automotive, Software Engineering or related.
  - English level B2. - German advantageous
  - 3-5 years of engineering experience in electronics and software applications (preferably in the automotive field)
  - 2 years of experience in the understanding of dynamic physical systems and control of mechanical systems actuated by electric motors as regards their software control.

### About Brose

Brose is the world's fourth-largest family-owned automotive supplier. The company develops and produces mechatronic systems for vehicle doors and seats as well as electric motors, drives and electronics, among others for steering, brakes, transmissions and engine cooling. Approximately 25,000 employees at 65 locations in 24 countries generate turnover of 6.2 billion euros. Worldwide, every second new vehicle is equipped with at least one Brose product.

Brose North America, Inc.  
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Our Brose Working World offers you a modern work environment: the flexible office concept promotes a working atmosphere characterized by open communication and efficiency. The variable working hours give you the flexibility you need to reconcile professional and family life. We pay our employees based on results and feature innovative social benefits in the areas of health, fitness and canteen food.