



Dana Belgium – Control Software Engineer

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JOIN THE TEAM THAT'S POWERING PROGRESS

Building cities. Driving commerce. Fueling Progress. For over 100 years, Allison has powered the vehicles and technology that move our world forward.

What powers us? Our employees. From the first person hired by James Allison in 1915 to the thousands across the globe who work for Allison today, we're driving progress everywhere because we employ top talent worldwide. In both the Allison Transmission and Allison Off-Highway Drive and Motion Systems business units, our team strives to Improve the Way the World Works.

Learn more about this role and how you can begin driving your career forward!

Primary Purpose of Role: Control Software Engineer

As a Control Software Engineer, you are part of the Control Software Engineering team within the Off-Highway Drive & Motion Systems business. You are responsible for the definition, design, development and testing of advanced control software for drive control systems.

You contribute throughout the complete software development lifecycle, from software requirements definition and software architecture design through implementation, integration and testing. Working within a multidisciplinary engineering environment, you help deliver innovative and robust control solutions that improve the performance and reliability of Allison products.

Key Responsibilities

- You are part of the Control Software engineering team.
- As a control software engineer in that team, you are responsible for the definition, design, development & testing of control software for drive control systems, starting from software relevant system requirements, over SW architecture design & development to SW integration testing using different test strategies (MIL-HIL-testbench-vehicle).
- You apply and actively contribute to the continuous improvement of the software team processes, methods and supporting tools & procedures.
- Because the Control Software engineering team is part of a multidisciplinary engineering team working on system solutions, you will be working closely together with other disciplines (systems, mechanic, hydraulic, electrical, electronic engineering).
- You support the System V&V team for verification & validation testing and calibration activities
- You work autonomously, in close collaboration with your colleagues and with support of your team lead.

Competencies and Behaviors

- Strong systems-thinking mindset with the ability to understand both software details and overall system behavior.
- Passion for seeing software operate in real-world applications and control physical systems.
- Quality-focused professional who strives for robust and reliable solutions.
- Structured and methodical approach to engineering challenges.
- High level of attention to detail and commitment to engineering excellence.
- Strong communication and collaboration skills.
- Ability to work independently while maintaining strong engagement with colleagues and stakeholders.

Qualifications and Experience

We are looking for an engineer who combines a strong technical foundation with a passion for software and control system development.

- Master's degree in Mechatronics, Software, Electronics or Electromechanical Engineering.
- Initial experience in the industrial sector, ideally in embedded software, control systems or related engineering disciplines.
- Software architecture, detailed design & C programming for safety-critical control systems, following coding guidelines like MISRA C or similar.
- Knowledge of Model Based Software Development & auto code generation using MATLAB Simulink or similar tools is a plus.
- Strong communication skills in English. Dutch is an asset, willingness to learn is essential.
- Analytical, detail-oriented and eager to learn.

Benefits

- International environment with plenty of growth opportunities.
- Attractive salary package including meal vouchers, group and hospitalization insurance incl. dental plan.
- 39 hours in a 36-hours week-> 18 extra vacation days per year.
- Sliding hours onsite and possibility of two days of home office.
- Ongoing training and career development opportunities.
- Opportunity to work on state-of-the-art technology used in off-highway applications worldwide.
- International collaboration and a highly diverse rol with a lot of responsibilities.

Allison Transmission is an equal opportunity employer. We have opportunities for all qualified applicants regardless of age, race, color, sex, religion, creed, national origin, disability, sexual orientation, gender identity/expression or veteran status.