# Chandramouli Gnanasambandham, Dr.-Ing.

Silberweg 21, 71032 Böblingen  •  + 49 179 6588043  •  *chandramouli681990@gmail.com*  •  *Linkedin*  •  *GitHub*  •  *Matlab*

## Senior Software Engineer - Prospective Candidate

**Advancing Automated Driving with Expertise in Real-Time Systems and Scalable Software Architectures**

05. March, 2025

**Wayve Technologies Ltd.**
Riedwiesenstraße 13-17,
71229 Leonberg, Germany.

**Expression of Interest - Senior Software Engineer Opportunities at Wayve's New Leonberg Office**

With Torc Robotics closing its European entity at the end of Q1 2025, I am seeking new challenges and opportunities in the automated driving field. I am excited about Wayve's expansion into Leonberg, Germany and would love the opportunity to contribute to your growing team. While I did not see specific roles listed for this location yet, my background and experience align well with your mission, and I would be eager to explore potential opportunities where I can add value.

As a Staff Software Engineer at Torc Europe GmbH, I am responsible for the development and maintenance of a real-time, physics-based vehicle model of a Freightliner Cascadia AP4 truck.

**Recent Achievements and Key Project Deliveries**

- ✓ **Led development of real-time capable software** (300+ users) using test-driven development in C++.
- ✓ **Integrated real-time models into a complex ROS2 project** for V&V, ensuring ISO-26262 compliance.
- ✓ **Developed a microservice based processing pipeline** for extreme event analysis using big-data analytics.
- ✓ **Proficient in Git, DevOps and Containerization tools** for scalable and maintainable software solutions.
- ✓ **Led collaborative design and development** of a cutting-edge integration-test-platform for models in Python.
- ✓ **Played a vital role in providing simulation expertise** to tune control algorithms for safety-critical systems.

At Daimler Truck AG, I gained valuable experience in high-fidelity mechatronic simulations using Synopsys Silver and MATLAB/Simulink, including CAN bus simulations for control system development in advanced driving systems. This hands-on experience in automotive software integration, along with my proven ability to lead international teams and collaborate with automotive OEMs, positions me well to contribute to Wayve's mission of pioneering embodied AI for autonomy.

I am truly inspired by Wayve's vision and its commitment to fostering an inclusive, diverse, and collaborative work environment. I would be excited to bring my expertise in automotive software engineering to help accelerate Wayve's journey toward shaping the future of autonomous driving.

Thank you for considering my application.

Best Regards,
Dr.-Ing. Chandramouli Gnanasambandham