



Savari, a Silicon Valley start-up with offices also in Detroit, Munich, Shanghai and Bangalore, seeks to make the world's roadways smarter and safer by deploying advanced wireless V2X sensor technologies to highly automated and self-driving cars as well as Smart Cities (**Wall Street Journal** article [here](#)).

Savari is venture-backed by two of the leading Automotive car manufacturers and managed to grow its business significantly over the past months. Savari is the main supplier to the **Smart Cities of Shanghai in China** and of Tampa in Florida (**TechCrunch** article [here](#)) and has built up a vast network of first-class business partnerships with companies like **Qualcomm** (press release [here](#)), **Flextronics** (press release [here](#)), **SAIC Motors** – the largest Chinese car manufacturer (article [here](#)) and **Nissan Motor** (press release [here](#)). Furthermore Savari is engaged in research and product development with many of the most prominent automotive companies, for example **Mercedes Benz** (**New York Times** article [here](#))

With more than 150 man-years of V2X-deployment and 15 millions-plus miles per year of public testing as well as differentiating IP, Savari is a leader in V2X technology. Complementary to LiDAR, radar and camera sensor technologies, Savari's technology gives cars "x-ray" like [capabilities](#) to see through buildings and objects. Savari's solutions provide 360-degree situational awareness for the car as well as the road and we are actively working on an upgrade path to support cellular V2X with the [5G Automotive Association](#).

Savari currently has significant business development presence in US, Europe and Asia. Based on outstanding credentials from OEMs and Tier-1s, we are expanding our local U.S. team based in Detroit with engineering know-how.

We are looking for talented and highly motivated young professionals to join our North American team in the role of

Embedded Software Engineer in Detroit, MI, United States

with connected vehicle middleware experience and /or ADAS embedded software experience

Technical Job Description

- Embed and integrate V2X active safety and mobility applications in target hardware
- Architect the applications code for optimized processing and scalable expansion
- Integrate with other software layers of the connected vehicle stack
- Develop and integrate CAN application layer

Overall Job Description

- Provide 1st level technical support on Savari's sensor system solutions to OEM, Tier1, infrastructure customers as well as eco-system partners
- Give detailed SW engineering support to those customers to support field trials, infrastructure projects and V2X Design-Ins incl. customizing V2X stack modules to support specific applications
- Bring the technical expertise to customers by delivering high-quality technical presentations and live product & system demonstrations of Savari's predictive safety solutions

You should have following skills

- 5+ years working experience as embedded software engineer or strong university research background preferably into automotive / transportation or telecommunication market
- MSc, BSc or BEng in Computer Science or Electrical Engineering
- Has experience in algorithm implementation and algorithm code structuring.
- Strong technical skills in embedded SW programming with C, C++
- Code integration and software architecture
- Strong advantage: Automotive embedded software experience
- Profound experience with connected vehicle middleware and good understanding of related WAVE and ETSI protocols (e.g. SPAT, MAP, BSM etc.)
- Fundamental technical experience with state-of-the-art OS in the connected car segments such as Linux, QNX and AUTOSAR
- Deep understanding of system integration of V2X stacks with V2X end applications
- Experience with V2X configuration and conformance tools
- Solid understanding of automotive interfaces CAN, Ethernet, Serial, etc.
- Excellent analytical, problem solving skills, and ability to multi-task in a fast pace environment
- Strong communication skills with technical community
- Self-motivated, detail oriented and result-oriented

What we will offer you?

- an exciting job in a fascinating market as part of a dynamic, motivated team with a true passion to improve traffic safety
- interesting, challenging development projects doing state-of-the-art design to develop and grow your skills and competence into a senior technical expert role
- to work in a changing industry, implementing technologies shaping the automotive future
- flexible work environment with a state-of-the-art compensation package for a start-up

To apply for this job please send your CV and application cover letter to Faroog Ibrahim at faroog@savari.net .

All applications will be treated strictly confidential.