

## SENIOR EMBEDDED SOFTWARE ENGINEER FOR WI-FI R&D TEAM



**Location**  
Novi Sad, Serbia



**Regular contract**



**Starting date ASAP**



**Department**  
R&D – Embedded SW

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### ABOUT METHODS2BUSINESS

Methods2Business is a European semiconductor company on the leading edge of developing Wi-Fi Intellectual Property (IP) products for next generation connectivity chips targeting the rapidly emerging Internet-of-Things (IoT) and Industrial IoT (IIoT) market.

The company operates on the global chip market and is proud to be the first supplier of a scalable portfolio of Wi-Fi CERTIFIED® HaLow™ IP products for client and access point devices.

The new sub-1Ghz Wi-Fi technology incorporates the 802.11ah IEEE technology and offers unique advantages for the Industrial IoT market by enabling long range (1 km+) and low-power (multi-year battery life in Wi-Fi devices) connectivity while providing robust connections in challenging Wi-Fi environments with a high-level of Wi-Fi security (WPA3).

The company has co-determined the development of this new technology from the start and has a leading position in the official bodies deciding on all technical aspects of this new standard in Wi-Fi Alliance, the worldwide network of companies that brings the world Wi-Fi® which is by far the most widely used wireless communication technology in the world.

We call ourselves the “Next Generation Engineers” changing the game in modern chip design and bringing the world the first flavor of Wi-Fi that is suitable for IoT and Industrial IoT (IIoT) environments, as well as retail, agriculture, healthcare, smart home, and smart city markets.

We are very excited to be in a transition phase from startup to scaleup company as it enables us to open several new positions in our R&D teams to further strengthen our position in the global Wi-Fi market.

Founded in 2010, Methods2Business is headquartered in Eindhoven, Brainport region of The Netherlands, and has a R&D center in Novi Sad, a university city in Serbia. The company is internationally oriented and collaborates with people all over the world. More information about the company is available at [www.methods2business.com](http://www.methods2business.com).

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## ABOUT THE JOB

Are you the experienced Embedded Software Engineer who is eager to invent, passionate about “First-Time-Right” innovation, inspiring for others and willing to go deep to become an expert in Embedded Software for Wi-Fi, you qualify for joining our team.

Working at Methods2Business is everyday exciting, every day we amaze ourselves what we have achieved and our confidence to take the next challenge, grows everyday thanks to a great team spirit and the believe we can do it!

Working with us, means working with the most innovative technologies, and getting in touch with brilliant people working at innovative companies around the globe.

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## KEY RESPONSIBILITIES

- Design and develop low-level embedded C-code for Wi-Fi stack including firmware, drivers and applications
  - Implement Wi-Fi Alliance test suite software as required
  - Participate in Wi-Fi interoperability testing for various Wi-Fi Certification programs
  - Various optimizations for performance, Footprint and Power Consumption
  - Device driver support for Linux and other RTOS like FreeRTOS, Azure and Zephyr OS
  - Writing scripts to facilitate testing and other tasks
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## KEY QUALIFICATION & SKILLS

- Preferably Master or PhD degree in Embedded SW engineering/ Electronic engineering, Computer Science or similar
  - Proven (4+ years) experience with hands-on in embedded C-programming in RTOS, Linux SW development for firmware/drivers/applications
  - Industry experience in IEEE 802.11 (Wi-Fi) (or equivalent wireless protocols e.g., Bluetooth, ZigBee, NB-IOT) drivers or SoC firmware projects is an absolute plus
  - Experienced in porting and using FreeRTOS, Zephyr or Azure Real Time Operating systems including bootloaders, device drivers interrupt handlers and DMA routines
  - Experience with developing / modifying WPA-suppllicant and hostapd is a plus
  - Experienced with Network components like TCP/IP
  - Experience with SW testing (unit- and system-level) and use of code analysis tools
  - Very good understanding of embedded systems and embedded processor architectures (e.g., ARM CortexM family, RISKV) (Cores, Bus structures, Caches, ...)
  - Understanding of hardware protocols such as GPIO, SPI, SDIO, I2C, USB, Ethernet
  - Experienced in scripting competencies (Python, Tcl, ...)
  - Experience with classical development environments (IDEs such as IAR, Keil, Eclipse)
  - Knowledge in Wi-Fi IEEE 802.11 Standard and Wi-Fi Security is highly appreciated
  - Knowledge in configuration management (Git, GitHub, SVN, ...) is appreciated
  - Excellent English written & verbal communication skills are a must as well as the ability to explain complex concepts to peers in an international context
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## PERSONAL SKILLS

- You demonstrate a very good team spirit and are an inspiration for others
- You are result-oriented and committed to achieve the highest team effort
- You are able to work autonomously and will not hesitate to ask help when needed
- You are inventive, eager to try out new things and continuously seeking to improve
- You possess strong analytical and problem-solving skills

- You are stress resistant and do not give up easily
- You possess excellent communication and presentation skills
- You demonstrate a strong understanding of a multicultural work environment

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#### WORKING FOR METHODS2BUSINESS

- Working for Methods2Business means being part of a team of Wi-Fi experts who are challenged daily to outperform their peers in the Wi-Fi semiconductor industry.
- Working for Methods2Business is possessing a willingness to win, never giving-up and having the eagerness to contribute to exciting innovations for a better planet and more efficient use of our limited resources.

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#### BENEFITS

- Competitive salary with attractive career opportunities
- Healthy and cozy working environment in the center of Novi Sad
- Office drinks, coffee and snacks
- Flexible working hours
- Hybrid working possibilities
- Yearly 25 holidays
- Health insurance

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#### HOW TO APPLY

If you are interested to join us, send your resume (CV) and motivation letter to [jobs@methods2business.com](mailto:jobs@methods2business.com). We will then invite you asap for an interview.

Our office in Novi Sad is located at Mite Ružića 1, 2<sup>nd</sup> floor

*A note to recruitment agencies - We do not accept unsolicited agency resumes and we are not responsible for any fees related to unsolicited resumes.*