

JOIN THE WINNING TEAM!



TES Electronic Solutions is a leading international design services company and technology/IP provider. We offer a complete end-to-end service in application-specific electronic product & sub-system design - including supply chain management. We are developing and manufacturing innovative electronic solutions for international customers in all industry segments.

Our comprehensive product development expertise covers a wide range of embedded electronics design disciplines:

- System-architecture and system-design of electronic products
- Radiofrequency, microwave, wireless and antenna design
- PCB based hardware development
- Embedded software design
- HMI and graphics and multimedia systems
- Digital ASICs and FPGAs
- Analog-, Mixed-Signal And RF ASICs

For our location in Frankfurt we are looking for an experienced

Software System Architect & MATLAB Specialist (m/f/d) to join our team.

The ideal candidate combines strong expertise in MATLAB-based system development with a deep understanding of radar systems, mathematical modelling, and embedded software development. A solid foundation in mathematics and physics is essential for this role.

Your challenge

- Develop and implement signal processing and radar algorithms in MATLAB.
- Design and maintain system-level models and simulation frameworks.
- Develop and enhance MATLAB-based graphical user interfaces (GUIs).
- Create user interfaces for software emulators and debugging environments.
- Develop framework models and reusable software components.
- Build models using MATLAB Toolboxes, including: Radar, RF, DSP System, Signal Processing and Communications.
- Implement algorithms in MicroEngine Assembler and perform debugging using software emulators.
- Contribute to low-level software development, including assembler and microcontroller programming.
- Collaborate with cross-functional engineering teams to define and optimize system architectures.

Your Profile

- Degree in Electrical Engineering, Computer Engineering, Physics, Mathematics, or a related field.
- Proven experience in software system architecture and MATLAB development.
- Strong background in mathematics and applied physics, preferably with expertise in: Radar systems and radar physics, Rotating antenna systems and Digital Signal Processing (DSP).
- Experience with embedded software development and low-level programming (Assembler, microcontrollers).
- Strong analytical and problem-solving skills.
- Ability to work independently while collaborating effectively within multidisciplinary teams.
- High level of reliability, resilience, and commitment to delivering high-quality solutions.

We offer great career opportunities, an attractive salary, flexible working time, job bike, as well as an excellent working environment. Are you interested? Please send your application to:

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