

Driving decarbonization and digitalization. Together.



Senior Staff Automation Engineer

Job description

We are looking for an Automation Engineer with a background in electrical and mechanical systems, robotics, AOI (Automated Optical Inspection), and project management, preferably within the semiconductor back-end processes. The ideal candidate will have hands-on experience in developing, implementing, and optimizing automation solutions to improve efficiency, reliability, and quality in semiconductor manufacturing.

In your new role you will work with:

- **Automation System Design and Development:** Design, develop, and implement automation solutions for various processes in semiconductor back-end manufacturing, including AOI systems, electrical and mechanical automation, and robotics integration.
- **Process Optimization:** Analyze existing processes and workflows to identify opportunities for equipment automation and optimization. Develop and implement strategies to streamline operations, reduce cycle times, and improve overall efficiency.
- **Project Management:** Lead automation projects from conception to completion, including project planning, resource allocation, timeline management, and stakeholder communication. Ensure projects are delivered on time, within budget, and meet quality standards.
- **Cross-Functional Collaboration:** Collaborate with cross-functional teams, including engineering, manufacturing, quality assurance, and R&D, to identify automation requirements, gather feedback, and ensure successful implementation of automation solutions.
- **Troubleshooting and Maintenance:** Provide technical support for automation systems, troubleshoot issues, and perform preventive maintenance to ensure continuous operation and minimize downtime.
- **Documentation and Training:** Create comprehensive documentation, including specifications, operating procedures, and training materials, to support the deployment and maintenance of automation systems. Train end-users and technical staff on the operation and maintenance of automation equipment.
- **Continuous Improvement:** Stay updated on industry trends, emerging technologies, and best practices in automation engineering. Drive continuous improvement initiatives to enhance automation capabilities, processes, and systems.

Profile

You are best equipped for this task if you have:

At a glance

Location:

Job ID: **HRC0795838**

Start date: **Aug 01, 2024**

Entry level: **1-3 years**

Type: **Full time**

Contract: **Permanent**

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Job ID: **HRC0795838**
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- Bachelor's degree in Electrical Engineering, Mechanical Engineering, Robotics, or a related field preferred.
- Proven experience in automation engineering, with a focus on electrical, mechanical automation, robotics, AOI systems, and project management.
- Understanding of semiconductor back-end processes and equipment, including wire bonding, die attach, packaging, and testing.
- Proficiency in automation software and programming languages, such as PLC (Programmable Logic Controller) Siemens, Allen Bradley. SCADA (Supervisory Control and Data Acquisition systems), Ladder Logic, Python, C/C++, etc.
- Excellent project management skills, including the ability to plan, execute, and monitor projects effectively.
- Strong analytical and problem-solving skills, with the ability to troubleshoot complex automation issues and propose innovative solutions.
- Excellent communication and interpersonal skills, with the ability to collaborate effectively with cross-functional teams and communicate technical concepts to non-technical stakeholders.
- Detail-oriented with a commitment to quality, safety, and compliance.

Benefits

- **Leominster, MA:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation

Why Us

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant's experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

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IR HiRel Products Inc., is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws.



Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your onboarding documents.

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

This position requires access to documentation that is controlled by the export laws of the United States. Candidates are required to provide proof of either US citizenship, Permanent US residency or classification as a protected individual as defined in 8USC 1324b(a)(3).

