

Position: Capital industrial Engineer

Job Description:

Assembly and Test Manufacturing (ATM) Integration and Capacity Group is a ATM central team cross multiple countries, we are hiring Capital Industrial Engineers within the team.

Major job scope includes

1. Manage factory Capital Assets in Intel Proprietary systems.
2. Working with multiple function stakeholders cross local and virtual factory of different country includes Malaysia, China, Vietnam, US etc, managing capital tool procurement, shipping schedule, receipt and coordination of capital asset installation.
3. Capital IE need to manage capital assets in Intel proprietary systems, meanwhile working with other key stakeholders include factory Industrial Engineers, Module Engineers, GSEM, logistic, finance and other factory stakeholders to drive delivery schedule meet factory capacity ramp needs.
4. Conduct data analysis in a daily basis, understand the key indicator data changes while continue work on cost saving and schedule optimization opportunities, include but not limit to inventory schedule installation optimization, Virtual Factory reuse opportunity, g, PO placement optimization, IQ management, and Shipping/Receiving coordination etc.
5. Working on assets disposition for legacy capital items, include scrap, harvest, donation etc, working with assets team to ensure the documentation process compliance with local country and Intel guidance.

Qualifications:

- Bachelor degree is needed while major in IE, mathematics, computer science is preferred.
- 3 years manufacture, IE, logistic related experience is preferred.
- Candidate has strong data skill is must, proficiency on excel is needed.
- Fluent English on both oral and written is a must
- Stakeholder management skill is preferred.

Position: Calibration Lab Engineer

Job Description:

The Role and Impact As a Lab Engineer, you will play a critical role in supporting day-to-day laboratory operations while contributing to the testing and development of innovative technologies.

You will be responsible for setting up, maintaining, and troubleshooting lab equipment, ensuring smooth operational workflow, and assisting with technical experiments to drive impactful results.

Your contributions will directly support project delivery and quality assurance, helping shape the future of Intel's cutting-edge solutions.

Business group

You will be part of a dynamic and collaborative team within Intel's technology development organization, dedicated to advancing semiconductor innovation and driving industry-leading solutions. This group focuses on enabling critical lab processes, fostering innovation, and ensuring alignment with Intel's broader goals to deliver world-class products. By joining this team, you will be contributing to Intel's commitment to technological excellence and global impact. Key Responsibilities

- Configure, calibrate, and maintain laboratory equipment to meet operational and safety standards.
- Execute and document technical procedures such as equipment testing, sample preparation, and data collection.
- Assist in the design and implementation of experiments to support project initiatives. - Maintain accurate records of lab activities, ensuring compliance with established processes and protocols.
- Collaborate with cross-functional teams to troubleshoot equipment issues and enhance operational efficiency.
- Uphold laboratory safety standards, identifying and mitigating potential risks.

Qualifications:

Minimum Qualifications

- Bachelors degree in relevant field with 0-1 years of hands-on experience in domain with demonstrated skills gained through internships academic projects coursework or hands-on training

- Basic understanding of laboratory equipment setup, calibration, and maintenance. - Demonstrated ability to follow established protocols and document processes accurately.

- Proficiency in data collection and analysis tools relevant to laboratory workflows.

Preferred Qualifications

- Strong organizational skills with attention to detail and adherence to safety standards.

- Effective communication and collaboration abilities to work within cross-functional teams.

- Interest in continuous learning and development within the technology field.

- Motivation to contribute to the advancement of Intel's innovative solutions. We invite you to bring your enthusiasm, technical skills, and curiosity to join a team where your contributions will help shape the future of technology. Take the next step in your career journey and apply today to become a valued member of Intel's innovative community.

Position: Module Engineer

Job Description:

Intel Products Vietnam is the mega Assembly and Test plant within Intel's global Assembly and Test network. The clean room facility is located at Saigon High Tech Park in Thu Duc city, Ho Chi Minh city. The site is proud of producing Intel's latest technology chip products including Server, 5G, IoT, Desktop, Mobile platforms.

We are seeking a **Module Engineer within Test Engineering Department** with a strong background in Artificial Intelligence (AI), Machine Learning (ML), and Agentic AI technologies. In this role, you will actively contribute to software development and qualification, application engineering, and AI-driven automation solutions. You will work closely with developer, engineers, and cross-functional stakeholders to develop and implement scalable solutions that address real manufacturing and business challenges.

- Be responsible for software installation, qualification, deployment, and sustainment activities for new software products and applications.
- Monitor and improve key performance indicators (KPIs), including safety, quality, productivity, cost, yield, and defect reduction.
- Support troubleshooting, root cause analysis, and problem-solving activities related to software systems and manufacturing applications.
- Drive continuous improvement initiatives (CIP) through software enhancement, process optimization, and adoption of new technologies.
- Collaborate with software developers, manufacturing engineers, and other stakeholders to deliver sustainable and scalable solutions.
- Design, develop, deploy or integrate, and sustain software applications leveraging AI/ML, LLMs, Agentic AI, computer vision, and data analytics technologies to solve complex engineering problems, and improve manufacturing operations. Ensure software quality, security, maintainability, and compliance throughout the application lifecycle.

Qualifications:

- Bachelor's or Master's degree in Computer Science, Artificial Intelligence, Software Engineering, Data Science, Robotics, Intelligent Systems, or a related field.

- Hands-on programming experience in Python and familiarity with object-oriented programming languages such as C#, C++, or Java.
- Knowledge of Machine Learning, Deep Learning, Generative AI, LLM-based applications, and data analytics. Experience developing and deploying AI applications with Agentic AI, RAG, or AI workflow orchestration is a plus.
- Familiarity with computer vision and image analysis concepts, including model training and fine-tuning (e.g., YOLO, OpenCV, PyTorch, TensorFlow).
- Experience working with SQL, Pandas, APIs, and software integration.
- Strong analytical, troubleshooting, and problem-solving skills with a data-driven mindset.
- Self-motivated, detail-oriented, and able to work independently as well as collaboratively in a team environment.
- Good written and verbal communication skills in English.
- Ability to manage multiple assignments and deliver results within timelines.
- Proficient in Microsoft Office applications (Excel, PowerPoint, Word, and Outlook).
- Experience in manufacturing, semiconductor, automation, AI or industrial environments is an advantage.
- Willingness to work onsite in a 12-hour rotational shift pattern (4 working days per week) based on business needs, with applicable shift allowances.

Position: Manufacturing Quality and Reliability Engineer

Job Description:

- Owns the qualification of manufacturing ramps to high volume, ensuring the quality and reliability of products and processes sustainably meet organizational requirements.
- Specifies inspection and testing mechanisms, conducts quality assessments and audits, and evaluates materials, processes, and techniques used in production to confirm compliance to quality standards associated with products and production equipment.
- Owns health and performance indicators for product quality and reliability that drive optimization of cost, ramp, and volume upside efforts.
- Drives continuous process improvement and proactive quality programs in the factories to develop a quality culture mindset.
- Represents quality and reliability function in product engineering and product development forums and makes recommendations in design or formulation to improve system and/or process and product reliability.
- Responsible for excursion management, change control, supplier audit, and driving supplier continuous improvement.
- Exhibits leadership amidst complex and impactful MRBs.
- Develops and implements systems and capabilities for early detection and containment of excursions, conducts risk assessments, and dispositions discrepant material.
- Synthesizes and extracts insights from structured and unstructured data using statistics and machine learning to determine the disposition of products and systems that do not meet required specifications.
- Responds to customer reported issues related to manufacturing and provides engineering solutions to address customer concerns and improve customer experience.

Note: This role requires regular onsite presence to fulfill essential job responsibilities.

Qualifications:

- A Bachelor's or Master's degree in Engineering, majoring in Electronics, Mechatronics, Materials, Chemical, or Mechanical Engineering is required.
- At least 2 years of relevant experience in a related field is preferred. Fresh graduates are also encouraged to apply and will be considered for Entry Level positions.
- Strong skills in data mining and statistical analysis
- Good at stakeholder management skill, communication and problem-solving.
- Programming/coding, scripting, automation skills would be an advantage for this position.
- Strong English verbal and written communication skills.