Dear Graduates,

Do take note of the job openings in Rockwell Automation.

Below are some pointers to take note:-

1. To learn more about our opportunities, please visit us online at: www.rockwellautomation.com/careers
2. Working Location: 2 Corporation Road, Corporation Place, S618494 (Shuttle bus available)
3. Working Hours: Monday to Friday, 9am to 6pm (Fridays end at 4.30pm)
4. Please email your latest resume to: psim1@ra.rockwell.com

Best Regards,

Petrina Sim
HR Specialist

Rockwell Automation Singapore
2 Corporation Road, Corporation Place
#04-05/10 Singapore 618494
Senior Engineer, Embedded Software (65118BR)

You will be responsible for the design, development, testing and support of firmware/embedded software applications for existing and next-generation Micro-controller and I/O modules in accordance with engineering best practices/processes, and in partnership with team members across the globe. You will also need to possess the working knowledge of creation and debugging of embedded/software applications. You will participate in or conduct technical reviews with peers to identify problems early in the development phases, and will also need to demonstrate the ability to consistently meet project deliverables, and to work effectively in a diverse team environment.

Requirements:

• Degree / Master in Computer Science/ Embedded Systems / Computer Engineering / Electrical Electronic Engineering with concentration in the areas of Embedded Software engineering
• Min 2 years relevant experience in developing Real Time Embedded Systems. Candidates with more years of experience can be considered for either Senior or Staff position.
• Experience in industrial control systems and functional safety is a great advantage
• Strong knowledge in programming language: C, Object Oriented C++
• Experience with programming 32 bits Microcontroller (ARM or ColdFire) and developing low level device driver.
• Experience with development in one or more of the following areas for embedded system:
  • Development with RTOS, such as VxWorks, ThreadX or others
  • Development of communication protocols like Ethernet/USB/WIFI and CAN/Profibus
  • Automated unit test methodology
• Good analysis skills and proven ability to solve complex problems. Experience in using different hardware-assisted debugging tools
• Good communication and interpersonal skills and be able to work independently and as team in multi-cultural environment
• Open-minded, a willingness to experiment within acceptable boundaries and a creative mind to bring novel solutions into design and problem-solving

Senior Engineer, Firmware (64346BR)

You will be responsible for the design, development, testing and support of firmware/embedded software applications for Next Generation I/O modules in accordance with engineering best practices/processes and in partnership with team members across the globe. You will also need to possess the working knowledge of creation and debugging of embedded/software applications. You will participate in or conduct technical reviews with peers to identify problems early in the development phases and also will need to demonstrate the ability to consistently meet project deliverables and to work effectively in a diverse team environment.

Requirements:

• Degree/Master in Computer Science/Embedded Systems/Computer Engineering/Electrical & Electronic Engineering with concentration in the areas of Embedded Software engineering
• Minimum of 2 years relevant experience in developing Real Time Embedded Systems
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- Must possess strong knowledge in C / C++ language
- Experience with ARM architecture Microcontroller and low level device driver development
- Experience in industrial control systems is an added advantage
- Have good analysis skills and proven ability to solve complex problems. Experience in using different hardware-assisted debugging tools
- Have good communication and interpersonal skills and be able to work independently and in a multi-cultural team
- Open-minded, a willingness to experiment within acceptable boundaries and a creative mind to bring novel solutions into design and problem-solving

Test Engineer – Engineering Services (64344BR)

Responsible for manufacturing test development and support for new product development (NPI), continuation engineering product changes and productivity projects. Develop and implement cost-effective automated methods of testing and troubleshooting manufactured product including electronic assemblies and final assemblies. The test equipment consists of electrical, electronic, mechanical measurement and controls, mechanical fixtures and test software which are used in global manufacturing facilities to produce Rockwell Automation products.

Responsibilities:

- Participate in the new product design evaluation process. Provide design for test feedback and or requirements to the product team during the design development to assure testability and test coverage. Based on the design requirements develop a plan to test completed assemblies. Manage and communicate project timelines and action plans effectively to delivery cost effective test solutions on schedule and budget.
- Help implement production and test strategies to meet financial objectives. Maintain and track project financials and timelines to meet the assigned project deliverables.
- Develop and implement strategies for the procurement and installation of all final functional test related capital equipment required for Rockwell production facilities.
- Responsible for designing small electrical systems, properly sizing components and working with vendors to develop test fixtures. With guidance from a more senior engineer, select proper PLC components and test instrumentation based on product test requirements to ensure a safe, reliable, manufacturing test system.
- Develop and debug test software to control the electrical and mechanical components of the functional test system to provide a robust, reliable and repeatable manufacturing test system.
- Create and release documentation on all aspects of the test solution.
  - Test specification to document product testing and coverage.
  - System wiring schematics in AutoCAD Electrical.
  - System BOM (Bill of Materials).
  - Create User’s guide to assist plant engineering with long term support.
  - Test software stored released into appropriate source control location

Requirements:

- Bachelor’s degree in electronics or electrical engineering with concentration in power electrical,
microelectronics or info communication.
- Experience developing and implementing software using languages or platforms such as C, C++, C#, NI Test Stand, Visual Basic, PLC, etc.
- Candidate must have the ability to read and interpret new product designs consisting of electronic circuit schematics, electrical and mechanical equipment design drawings, bills of materials, design and functional specifications.
- Knowledge of electronic hardware.
- Excellent troubleshooting, analysis, and problem solving skills.
- Good written and verbal communications in English.
- Proficient using Microsoft Office programs.

**Embedded Functional Test Engineer (65175BR)**

You will be responsible to utilize product domain knowledge and sound engineering practices, to carry out embedded firmware test activities for Rockwell automation products.

**Responsibilities:**
- Understand and translate Product Requirements, Design/Functional Specifications to test requirements, and design test cases
- Perform thread modeling, and develop security vulnerability test cases
- Develop test ware, test script and execute firmware functional tests based on Rockwell guidelines
- Perform analysis and improvement on the existing test cases
- Participate in reviews for feature requirements, test cases, test ware.
- Generate test report / test results
- Debug failures, report and track anomalies
- Perform regression testing

**Requirements:**
- Degree in Computer Science, Computer/Electrical/Electronics Engineering or related fields
- Experience on **Security Engineering** will be advantageous
- Programming experience in scripting languages is required (preferably Python)
- Programming experience/knowledge of PLC programming and PLC application is preferred. Familiarity with Rockwell products, in particular, the controller’s families, and RSLogix5000 Application Software will be advantageous
- Good analytical and troubleshooting skills is required
- Ability to work in teams or independently, action-oriented, and possesses strong drive for results
- Strong communication and interpersonal skills

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We regret to inform only shortlisted candidates will be contacted.
All communications will be treated as confidential.