Robotics Application Engineer

Are you ready to be a technology pioneer? At ABB, you can be sure you’re helping to create a better world. You’ll do ground-breaking, innovative work that will touch the lives of millions by helping to provide robotic products, automated solutions, and related services that increase industrial productivity and energy efficiency. This strong solutions focus helps automated manufacturers improve productivity, product quality, and worker safety.

Join us: a better world begins with you!

Tasks

ABB is seeking an Applications Engineer to assist the ABB Robotics sales team in the support of existing, new, and market expansion target customer accounts (Value Providers and end users) based in the West Coast area and other areas as required.

You’ll work as part of our Discrete Automation and Motion team, which is a leading supplier of industrial robots, modular manufacturing systems, and service and has installed more than 250,000 robots worldwide.

Typical duties/responsibilities may include, but are not limited to, the following:

• Provide expert-level robotic technical education at the ABB Santa Clara location, customers’ facilities, and ABB Auburn Hills.
• Support the Santa Clara facility and customers for the specific regional market needs, which are mainly small parts assembly applications for the electronics industry.
• Work closely with sales managers and other application engineers in a team concept and keep the team informed of activities and schedule to drive growth.
• Present and demonstrate ABB robot product features and benefits to customers (Lunch & Learn events, demos).
• Evaluate customer applications or concepts and assist in efficient implementation of ABB’s “RAPID” (CC+ based) programming language and software solutions.
• Develop robot simulations and programs with ABB’s state-of-the-art RobotStudio tool and assist Value Providers with strategies to increase effectiveness of their robot solution.
• Become an essential part of the engineering team that will launch YuMi™, ABB’s new and innovative collaborative assembly robot.
• Review proposals and provide guidance on content, risk, and completeness as required.
• Author or co-author technical white papers, magazine articles, case studies, or publications.
• Seek proficiency in ABB offline programming and simulation software: RobotStudio, small parts assembly applications,
Vision applications, Advance motion control, flexible material feeding methods, and YuMi™.

• Assist engineers and technicians in other territories, trade shows, and in Auburn Hills as needed.

Requirements

Basic Qualifications:
• Bachelor’s Degree and 2 years of C or C++ based programming experience OR
• Associate’s Degree and 4 years of C or C++ based programming experience OR
• High School Diploma and 6 years of C or C++ based programming experience.

Preferred Qualifications:
• Bachelor of Science or engineering degree with mechatronics, mechanical engineering, or computer science specialization.
• 3+ continuous years of industry experience working with programmable automation.
• 2+ continuous years of experience programming with ABB’s programming language “RAPID” and applications (CC+ based) and/or machine vision applications (Cognex, Keyence, etc.).
• Working knowledge of ABB IRC5 robot control system and robot-related applications such as assembly, material handling, material finishing, and/or picking, packing, and palletizing.
• Proficiency in RobotStudio off-line programming and simulation tool.
• Advanced computer literacy and good mechanical aptitude.
• Development knowledge of programmable logic controller.

Additional information

Equal Employment Opportunity and Affirmative Action at ABB

ABB is an Equal Employment Opportunity (EEO) and Affirmative Action Employer encouraging diversity in the workplace.

All qualified applicants will receive consideration for employment without regard to their race, creed, color, ancestry, religion, sex, national origin, citizen status, age, sexual orientation, gender identity, disability, marital status, family medical leave status, or protected veterans status. For more information regarding your (EEO) rights as an applicant, please visit the following websites:

As an Equal Employment Opportunity and Affirmative Action Employer, applicants may request to review the Affirmative Action Plan of a particular ABB facility between the hours of 9:00 A.M. - 5:00 P.M. EST Monday through Friday by contacting an ABB HR Representative at 1-888-694-7762.

Protected veterans and qualified individuals with a disability may request a reasonable accommodation if you are unable or limited in your ability to use or access ABB’s career site as a result of your disability. You may request reasonable accommodations by calling an ABB HR Representative at 1-888-694-7762 or by sending an email to myhrsmart@us.abb.com.

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ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 145,000 people.