

Subject: Recruitment Need Detail – Digital R&D Programmer

Date: 24/06/2021

Job Title:	Digital R&D Programmer
Company Profile:	See website www.technicaintl.com
Company Mission:	Technica delivers innovative, customized and high quality solutions and turnkey lines, designed to satisfy the automation needs and the product handling of our customers, in order to improve their operation efficiency and to increase their production capacity.
Educational Background:	Bachelor in Computer Science or Computer Engineering or Electrical or Mechatronics Engineering with strong academic performance or equivalent experience.
Experience required:	3 - 5 years of experience in C# and Visual studio (full stack developer).
Working Conditions:	▪ Full time job ▪ Based in headquarter Bikfaya-Lebanon ▪ Work from home availability ▪ Monday to Friday, 08:00 till 17:00 ▪ Testing in Technica's plant ▪ Travel and working to customers' premises when needed
Special Requirement:	▪ Lebanese national
Accountabilities:	<u>Research and development activities:</u> ▪ Develop various reusable components, frameworks and accelerators to reduce the development lifecycle of future projects. ▪ Interface with customers, users, project Engineers, R&D engineers, IT, internal digitalization team and other developers to define and implement solutions to meet requirements. ▪ Stay familiar with basic IIOT and web tools and concepts (e.g. MQTT, APIs, ERP, Web Apps, Cloud services etc.). ▪ Follow standard design control and software methodology and write concise requirements specifications, architecture specifications, and design description. ▪ Design and implement cloud, mobile and web applications based on Technica standards. ▪ Perform unit testing of software and assists in the verification and validation process. ▪ Provide planning and status information to the senior R&D Engineer. ▪ Provide on-site field support and commissioning to roll out newly developed applications to new customers. ▪ Write documentation related to product information, communication specifications, installation and maintenance procedures. <u>Knowledge sharing:</u> ▪ Coordinate continuously with R&D Engineers for new technologies and R&D solutions integration and diffusion. ▪ Provide Customer with necessary operational and troubleshooting training after commissioning.
Knowledge:	▪ Background in databases (No SQL and SQL). ▪ Background in web concepts – Connectivity, Protocols, Security and Data Stream (Blazor, Html etc.).

- Complete understanding of the concept of networking, like client-server model, web-sockets and Ethernet communications in general.
- Must be familiar with the concept of the emerging technologies including Big Data, Machine Learning, AI, Blockchain etc.
- Algorithm design experience with one of the following: C#, C/C++, Java, Python, Matlab/Simulink.
- Complete understanding of the classes and objects and structure them efficiently (Abstraction, Inheritance and encapsulation).
- Strong debugging and troubleshooting skills.
- Enjoys working in the software development and automation technology field (very computer literate).
- Strong communication, organizational and time management skills.
- English Proficiency.
- Microsoft Office Proficiency.

Skills, Qualities and Attitudes:

- **Interpersonal skills:** Interact positively with other team members by listening, questioning and understanding the body language.
- **Analytical skills and problem solving:** Analyze all issues by asking several questions, checking all the perspectives and by gathering all useful data in order to find appropriate solution for any problem that might occur and set an action to achieve it.
- **Prioritizing:** Set priorities of the projects in relation to the department's plan, in order to achieve them within the agreed upon deadline
- **Team Player**
- **Customer oriented**

Benefits:

- Basic Salary depending on qualifications and paid in Fresh Dollars
- Transportation
- Overtime
- Bonus
- Profit Sharing
- Travel allowance
- NSSF
- Medical Insurance
- Personal accident and life insurance

Contact Person:

- Melissa Hayek – Recruitment Officer
- Phone: 04-982224 ext. 652
- Email: melissa.hayek@technicaintl.com