Inter SW Engineer

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Company: Thermo Fisher Scientific

Location: Eindhoven

Category: computer-and-mathematical

When you're part of Thermo Fisher Scientific, you'll do challenging work, and join a team that values performance, quality and innovation. As part of a successful, growing global organization you will be encouraged to perform at your best. With revenues of more than $40 billion and the largest investment in R&D in the industry, we give our people the resources and chances to create significant contributions to the world. GLOBAL DIGITAL GROUPAs part of the R&D organization, The Global Digital group is committed to bring value-adding and game changing software solutions to our customers that help them with their success. Global Digital covers all software created in the MSD-EM related sites, globally over the world. Main R&D sites can be found in Eindhoven (the Netherlands), Bordeaux (France), Hillsboro (US), Brno (Czech). The Global Digital group is responsible for the complete software stack, from fpga to embedded and application software. DISCOVER IMPACTFUL WORK:Transmission electronic microscopes are the most complex laboratory instruments that are being developed and used today. Software is crucial into exploiting all the potential of these microscopes, pushing the limits of current physical technologies. These microscopes are used by scientists and engineers in life science, material sciences and semiconductor industry, indirectly affecting our life in many aspects. By contributing into this software development, you might help the development of better vaccines, new lighter and stronger materials, or more efficient semiconductors. ASSIGNMENT:What is the performance benchmark of COM vs gRPC and how can we optimize it further using gRPC? SCOPE:- compare latency, throughput, and resource utilization between COM and gRPC - create optimal gRPC interface configuration to maximize data streaming throughput,

number of remote procedure calls per second or per thread, and number of events KEYS TO SUCCESS:- Team player with good natural interpersonal communications skills are required due to the high degree of interaction and collaboration. - Value orientation, getting to the essence, setting and acting according to priorities. - Result orientation, showing initiative and self-organizing, good time and priority management skills. EDUCATION- High school diploma or equivalent required. - We have both MSC and BSc (graduation) assignments in Computer Science, Mathematics or Physics. KNOWLEDGE, SKILLS, ABILITIES- Basic programming skills in either C++, C# or Python - Knowledge and interest in software engineering practices (Agile, Scrum) - Proven interest and knowledge of modern frameworks, technologies relevant for the assignment PHYSICAL REQUIREMENTS / WORK ENVIRONMENT Location will be Eindhoven BENEFITSWe offer internship remuneration based on level and type of the assignment. Our Mission is to enable our customers to make the world healthier, cleaner and safer. Watch as our colleagues explain 5 reasons to work with us (As one team of 100,000+ colleagues, we share a common set of values - Integrity, Intensity, Innovation and Involvement - working together to accelerate research, solve complex scientific challenges, drive technological innovation and support patients in need. #StartYourStory at Thermo Fisher Scientific, where diverse experiences, backgrounds and perspectives are valued.

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