JD Union Pte. Ltd
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Co. Reg. No.: 200515263N

C# Software Engineer (C#软件工程师)

Company: **JD Union Pte Ltd**
Location: #07-06, 8 Boon Lay Way, Tradehub 21, Singapore 609964
Email: joan@jd-union.com

Company Profile:

JD Union Pte Ltd is a trusted leader in photonic products for laser material processing. We work with top suppliers to develop and test customized laser solutions in our own application lab. For more than 10 years, we've been the one-stop partner for system integrators—from MNCs to SMEs—delivering fast responses, expert support, and lasting partnerships that add value across the supply chain.

Job Description:

We are looking for a **C# Software Engineer** to join our team. You will work on diverse, cutting-edge projects, from building HMI and control software for industrial machines to developing complex 2D/3D geometric algorithms. This role also offers opportunities to contribute to front-end web development, ERP systems, and Agentic-AI solutions.

Responsibilities:

- Develop industrial HMI applications using WPF and the MVVM pattern, integrating with industrial protocols for Industry 4.0 solutions.
- Integrate and control hardware components, including positioning systems, lasers, cameras, and sensors, into cohesive systems.
- Implement machine vision capabilities, such as camera control, vision algorithms, and sensor fusion.
- Design and develop front-end solutions for websites and mobile applications.
- Utilize and customize corporate ERP systems to meet business management needs.

Requirements:

- Bachelor's degree in computer engineering, computer science, electrical engineering, or a similar discipline.
- Demonstrated proficiency in C# and .NET development.
- A hands-on mindset with interest in working at the intersection of software and hardware.
- Familiarity with automation concepts or industrial control systems is highly advantageous.

We Offer:

- Competitive Compensation & Benefits: A comprehensive package including base salary, Annual Wage Supplement (AWS), performance bonus, and long-term incentives (LTI).
- Extensive Benefits: Full compliance with local regulations, plus comprehensive allowances for medical, transport, and mobile expenses, and complete insurance coverage.
- Specialized Training: Systematic, hands-on training in photonics applications using the latest laser and optical technologies.
- Excellent Environment: Modern, spacious office and lab facilities located near NUS, designed to inspire innovation.
- Supportive Culture: A collaborative team environment that values every idea and supports your professional and personal well-being.