



Sr. Software Engineer - Rochester, New York

IDEX America Inc. and its parent company IDEX ASA, a leading developer of fingerprint sensor devices, are expanding an ASIC Development site in Rochester, NY and are seeking an experienced Sr. Software Engineer to assist in the development of state-of-the-art fingerprint sensing functions. As a Sr. Software Engineer you will report to the site Sr. Firmware Engineering Manager and work closely with the Silicon Engineering and Wafer Test teams to deliver high volume product test solutions which will support cutting-edge sensor technologies into the marketplace for the Mobile, Smart Card and IoT markets.

Tasks and responsibilities:

- Participate in software development of Windows PC-based tools to test and characterize biometric ASICs
- Develop PC-based tools that fit into a global test data management infrastructure
- Develop PC-based analysis, diagnostic and system bring-up tools
- Independently develop software solutions as part of a geographically distributed team
- Establish and promote best software practices throughout the company
- Undertake open ended design and investigation activities based on internal and external customer input
- Ensure coherent and professional communication with peer groups
- Coordinate and create technical information and documentation within software, ASIC development and test groups
- Design and implement software and ensure implementation meets requirements
- Work closely with Business Unit product teams including System Architecture, SoC, IP Core development and design verification and validation
- Ensure timely and successful delivery of projects

Required Experience:

- At least 7 years' experience developing PC-based software using Visual Basic preferably embedded within MS Excel spreadsheets
- Experience with C / C++ / C# development using Microsoft Visual Studio
- Experience with systems that utilize firmware development; software development; electronic circuit design
- Experience with design and development of database and / or cloud-based data storage applications
- Able to work within a multi-discipline team
- Excellent problem solving and debugging skills

Desirable Experience:

- Multi-Program Software Architecture and System Partitioning experience
- Experience controlling / utilizing lab or test equipment from software applications
- Experience with wafer test systems highly desirable
- High volume consumer product experience is highly desirable
- Mix of hardware, software and firmware experience highly desirable

Education:

- Bachelor or Master degree in Software Engineering, Computer Science, Electrical Engineering, Computer Engineering or related disciplines with appropriate experience and skills as described above

Personal capabilities:

- Highly motivated and excited by the prospect of working on innovative technologies in a fast-paced environment



- Ambitious; able to work independently; self-assured and outgoing; dependable and able to deliver
- Creative, pragmatic and easy to work with
- Enjoying responsibility for a diverse portfolio of projects and assignments
- Excellent communication skills
- Quality conscious with an eye for detail
- Structured and documented work methods

Potential: IDEX is a pioneering company in fingerprint sensing technology. We are technically advanced in our field. The organization is small and compact, and we have informal and stimulating work environment. There is a spectrum of challenges and you will have an opportunity to grow with us. You will have extensive contact with suppliers, designers and management. We offer competitive compensation and terms and a share-based incentive scheme.

Work place: Full-time position in Rochester, New York

Travel activity: Occasional domestic and international travel, depending on projects

IDEX ASA: IDEX ASA specializes in fingerprint imaging and recognition technology. IDEX's vision is to ensure individuals a safe, secure, and user-friendly use of personal ID.

IDEX has developed the award-winning SmartFinger® technology platform based on the company's core intellectual property, including the patented fingerprint imaging principle, sensing scheme and chip design. SmartFinger solutions can be integrated into a variety of embedded applications such as mobile phones, payment and ID cards, and IoT devices.

Web site: www.idex.no / www.idexus.com

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