

Inside Secure,
rapidly expanding company,
is always looking for new talents.

Join us!

October, 2011

Software Engineer

INSIDE's secure semiconductor products power smart cards, mobile devices, acceptance devices, and infrastructure systems. The company's expertise in microcontroller architectures, security, RF/analog design, and vertical market requirements places the company in the forefront of secure contactless, contact, embedded, and NFC technologies. INSIDE's innovation, collaboration with customers, and commitment to open standards have earned it a leadership position in markets worldwide. INSIDE is headquartered in Aix-en-Provence, France, with offices in Europe, Asia and Silicon Valley. For more information, please visit www.insidesecond.com.

Job role	Software Engineer
Hierarchical position	Reports to Platform Support Manager
Department	Platform Support
Working place	Aix-en-Provence, France

Mission

- Tool development and validation of tools for supporting the MicroPass platforms (RIDE, PDK, Platform Support Tools, ...)
- Participate in the convergence of MicroPass development/validation tools throughout the company
- 3rd level Support

Main responsibilities

1. Respect Inside P1 – develop product process

- Ensure timely responses to committed deliverables in the process
- Ensure coherent configuration management of all deliverables

2. Architecting the MicroPass development/validation tools for maximum reuse and interoperability with

- PDK development
- Simulator
- Emulator
- Test scripts and protocol format

3. Manage the External development tools (RIDE)

- Interface with Raisonance for Bug corrections
- Validation of new versions of RIDE
- Prepare and provide training for RIDE

4. Provide support to relevant groups at Inside (Embedded Software Team, IC Design Team, ...)


- Drive and manage the platform development tools and their life-cycle
- Provide the tools support and training
- Provide Application development support

5. Help customers in the use of the Platform Support tools

Compliance to policies and process as defined in the management manual and quality processes.

driving trust™ **inside**
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Application

Please send your cover letter
and resume to
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INSIDE SECURE

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Main interfaces

Internally :

- Product Management Office
- Embedded software R&D team
- IC Design R&D team
- Product Engineering team
- Technical support team
- Operations (Product Engineering)
- Quality Department

Externally:

- Customer developers
- Technology partners
- Technology suppliers

Requirements

Educational background

- Master degree in electronics or telecommunications / computer science

Required experience

- Knowledge and experience in embedded software design and validation is required.
- Object Oriented Design: A good understanding of object oriented design in software systems is required.
- Experience in real-time C and assembly level programming is desired.
- Experience in software development for smart cards is desired.
- Strong technical knowledge on embedded software and related development tools (C compilers, linkers, emulators) is desired.
- Knowledge of microcontroller communication protocols stacks (I2C, SPI, RS232, ISO 14443, ISO 15693, ISO 7816, SWP, smart cards and RFID) is desired.
- Experience in supervising remote resources.
- 0-3 years experience in embedded software development.

Required skills

- Team player & problem solver:
- Scientific method of deduction
 - Open-minded
 - Rigorous, methodical and organized

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