

Driving decarbonization and digitalization. Together.



Staff Engineer Software and Firmware

Job description

Development of Java Card based Open Platform smart card OS for Payment and electronic ID applications. Hand on experience on Java Card OS development & global platform implementation. Strong knowledge on various smartcard standards and software engineering skills are required for the success of this position.

5+ years of experience in embedded system software design and development for resource constrained platforms (32-bit platforms, preferably ARM architecture)

- Proficient in Embedded C
- Knowledge of Arm 7/8 controller programming
- Able to translate requirements to design and provide right estimations for development
- Must have owned module level design and drive implementation along with unit testing
- Experience on Smart card OS development is plus
- Strong knowledge on various standards – Global Platform, Java Card, ISO 7816, ISO 14443 is add on
- Experience in EMV, Payment and Identification standards and applications is add on
- Knowhow of various security threats and implementing counter measures is add on
- Experience in Agile/Scrum development methodology
- Proven results in executing initiatives like continuous improvement and innovation
- Self driven & proactive interpersonal skills.
- Excellent problem solving and debugging skills with a can-do attitude.
- Ability to provided technical guidance to team members.
- A team player, self-learner with good communication and interpersonal skills.
- Identifies and highlights technical risks and impediments proactively.
- Experience in working with cross-site organizations is desirable

IFX behaviors:

- Must have demonstrated results in “Drive value through innovation”
- Must have demonstrated “Being ambitious and manage risk” behavior
- Must have demonstrated “Team up for best results” behavior
- Must “Trust and respect others”
- Must have demonstrated “Strive for excellence” behavior”

Profile

Implement, integrate & own low level modules like communication (UART, GPIO, SPI, I2C), integrating low level FW / Crypto libraries & setting up optimized memory layouts for Java Card based Open Platform smart card OS

- Development of Java Card based secure smart card OS compliant with Java Card Specification, Global Platform, ISO and ICAO
- Own and deliver the modules meeting the timelines, quality, security and foot-print

At a glance

Location:

Job ID: **HRC0086769**

Start date: **as soon as possible**

Entry level: **5+ years**

Type: **Full time**

Contract: **Permanent**

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Contact

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requirements

- Active interactions with Concept Engineers and Product Security team to collect and elaborate requirements
- Coordinate with the project manager in estimation and project planning
- Train and support AEs
- Take cares of daily continues integration and test
- Debug and solve problems during development and post release
- Contribute to the technical documentation of the product
- Actively contribute in the entire SDLC for the product development
- Assist the Tools team to implement application related features in IDE
- Strong focus on automation of processes using latest tools
- Work with cross site teams to resolve complex technical problems
- Identify and drive continuous improvement and innovation topics
- Be an active member of the cross functional team to meet the project objectives
- Contributes to department level technical forums.
- Contributes to TL forum to drive Concept definition, Implementation of PoCs,
- Contribute to organization knowledge development and patents and ID.

Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Medclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

