

# 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: **Bangalore (India)**  
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.

