



## Senior Specialist Software & Firmware

### Job description

Responsible for test implementation according to requirement and test plan, preparation of test report, Responsible for white box, grey box, black box, security testing

This is a technical role with the primary responsibility of component testing (White box, grey box, black box & unit test) of Java Card OS for the Payment applications and electronic ID applications based on GP platform and Java Card Specifications. Strong technical knowledge with C programming language and white box testing is required for success in this position.

#### Areas of Responsibility

- Responsible for test implementation according to requirement and test plan, preparation of test report,
- Responsible for white box, grey box, black box, security testing
- shall be responsible for failure analysis and bug reporting.
- Shall be responsible for developing re-usable libraries for productivity improvements
- Debug and solve problems during test case/test tool framework development
- Contribute to the technical documentation of the product
- Strong focus on automation of processes using latest tools
- Continuously build knowhow and guide the team members
- Work with cross site teams to resolve complex technical problems
- Identify and drive continuous improvement and innovation topics

### Profile

- Experience in embedded software testing and methodologies
- Strong knowledge of C programming language from testing point of view
- Good knowledge in OO programming (C#.NET/C++/Java). C# is plus
- Must have strong knowledge of global platform specifications GP2.3 & amendments
- Sound knowledge of testing automation
- Experience in issue reporting and resolution by interacting with all stakeholders
- Demonstrated with proven results for continuous improvements
- Shall be a quick learner. Good in quickly understanding technical standards and specifications.

### At a glance

Location: **Bangalore (India)**  
Job ID: **348544**  
Start date: **as soon as possible**  
Entry level: **1-3 years**  
Type: **Full time**  
Contract: **Permanent**

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- Shall possess good analytical skills and be an excellent problem solver
- Shall possess good communication skills and be an excellent team player
- Good to have
- Experience of GP2.3 test specification and test implementation.
- Experience of JCRE, JCVM test implementation.
- Solid knowledge in standards like ISO 7816, ISO 14443, Global Platform, Java Card, EMV
- Knowledge of smart card applications (Ex: Payment, e-Passport, e-Driving License) is plus
- Knowledge of ISO7816 specs and communication protocols (T=0, T=1, T=CL)
- Knowledge of cryptography, authentication and secure messaging schemes
- Exposure to Agile Scrum methodologies will be an added advantage.
- Prior experience in implementing standard test specification will be an added advantage.
- IFX behaviors:
- Must have demonstrated results in “Drive value through innovation”
- Must have demonstrated “Team up for best results” behavior
- Must “Trust and respect others”
- Must have demonstrated “Strive for excellence” behavior”

## 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; Mediclaim (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

### Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

The Connected Secure Systems (CSS) segment offers comprehensive systems for a secure, networked world with a portfolio built around reliable, trendsetting microcontrollers as well as wireless connectivity and security solutions. Over the past decades, CSS has developed microcontroller, Wi-Fi, Bluetooth and combined connectivity solutions (known as connectivity combos) and hardware-based security technologies. The products are used in a broad range of applications: from consumer electronics, IoT and home appliances to IT equipment, cloud security and networked cars all the way to credit and debit cards, electronic passports and IDs. With its leading technologies in the areas of computing, connectivity and security, CSS makes a decisive contribution to protecting today's and tomorrow's networked systems.

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