

## JOBS DESCRIPTION

<b>Job title</b>	Flight Software Engineer
<b>Company</b>	ST Electronics (Satellite Systems) Pte Ltd
<b>Employment Type</b>	Permanent
<b>Working Location</b>	No. 6 Ang Mo Kio Electronics Park Road, #03-01, Singapore

### Job purpose

Looking for a passionate Software Engineer to design, develop and install software solutions for the space segment on-board flight software modules

### Responsibilities

Responsible to design, implement and test the on-board flight software for the satellite, and ensure that the software fulfills the flight software specifications.

- Define and develop the software requirements for the space segment on-board flight software modules.
- Develop the software design for the space segment on-board flight software.
- Implement the flight software on microprocessors boards designed for the satellite.
- Prepare test plans & procedures for software unit and system level verification, to carry out the test procedures, and to ensure that the flight software meets the software specifications.
- To assist the team leader on documentation on specifications, design, test plans & procedures, and be accountable to team leader on schedules of work assignment completion.
- Continuously acquire and improve in skills and knowledge on software design and technology evaluation for space applications.

### Qualifications

#### Requirements:

- Degree or Masters in Electrical Engineering, Electrical & Computer Engineering, or Computer Engineering
- Working knowledge in one or more areas of embedded software design, real time operating systems, C programming, device drivers, board support packages, communications protocol software and 32bit microprocessor.
- Fresh graduate with no experience may apply.

#### Skills & Competencies

##### People Skills:

- Able to communicate with people from different engineering disciplines.
- Committed and good team player

##### Operations Skills

- Able to solve problems under time constraints

Strategic Skills:

- Understand software engineering process
- Able to handle engineering of complex, mission critical software with latest software engineering technologies and practices

## Experience

- Experience or interest in software design and development for mission critical embedded systems
  - Working knowledge in one or more areas of the embedded software design: real time operating systems, C programming, device drivers and board support packages, communications protocol software, microprocessor programming
  - Ability to work as a team to carry out software development
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Interested parties please send your CV to the following email:

[careers\\_satcoms@stee.stengg.com](mailto:careers_satcoms@stee.stengg.com)

However, we regret that only shortlisted candidates will be notified and contacted.