

Senior Software Engineer
Defence & Security
(Cape Town)
6 month contract

Tellumat provides innovative technology, services and solutions in ICT, Defence, Energy, and Transport. We require the services of a **Senior Software Engineer** for the Defence & Security division.

Minimum Requirements

- BSc. Electrical and Computer Engineering (ECE), BSc. Computer Science or B Eng.

Advantageous

- Experience using QNX Neutrino RTOS and QNX Momentics Tools Suite,
- D0-178B Software Certification:
- UML Modelling
- Unit Testing,
- Code Coverage Analyses
- Familiarity with Agile Development Methodologies.
- Flight control systems (Will work with Mechatronics Engineer)

Competencies/Skills

- C Programming for Embedded Platforms,
- Data structures and Embedded Systems Design Patterns,
- Sound Knowledge of:
- Multitasking and multithreading,
- Scheduling, Pre-emption and Priority Inversion control,
- (IPC) Inter-process and Inter-Task Communications,
- Task and Thread Synchronisation,
- Re-entrancy and Critical Sections,
- Deadlock prevention and avoidance,
- Other RTOS related principles

Key responsibilities

- Develop/Refactor application software architecture to utilise QNX RTOS.
- Application Debugging
- Application Profiling and Performance Tuning (Worst Case execution Times)
- Software Qualification
- Mentorship

Should you meet the requirements and wish to be considered an applicant for this position, please apply online or email a comprehensive CV to Aasiyah Adams at aadams@tellumat.com or call: (021) 710 2871 by no later than 15 October 2017

Correspondence will only be with short-listed candidates.

Employment Equity will be considered when making the appointment.