



POSITION DESCRIPTION

Position:	SAT Software Engineer – Defence Operations Australia
Reports To:	SAT Engineering Manager
Supervises:	Not Applicable
Location:	Adelaide
Tenure:	Full Time
Conditions:	Normal company terms and conditions apply Some interstate and overseas travel may be required
Authority:	<i>Authority limits are defined in the Company Policies and Administrative Procedures (901AAT003).</i>

9LV SAT description: 9LV SAT is a Saab product in development with a large number of opportunities locally and internationally.

9LV SAT consists of a suite of product modules that can be configured and expanded to match a customer's needs. These modules can be fitted to any platforms (fixed or mobile) that require their capabilities. The 9LV SAT product suite includes the following modules:

- 9LV SAT Sensor Manager (SM): a ship-board unit that interfaces to sensors providing a situational awareness picture and command centre;
- 9LV SAT Asset Manager (AM): a small boat or mobile asset unit providing a decision support and command and control end point; and
- 9LV SAT Headquarters (HQ): a Headquarters unit providing a common operating picture and control centre.

The 9LV SAT software team is specifically responsible for three software components:

- A radio communications component;
- A business rules component; and
- A HMI component.

These components along with a number of existing 9LV components form the basis of the software solution for 9LV SAT.

9LV SAT is being trialled in the RAN with planned installations into other RAN platforms in the coming year.

**General
Responsibility:**

The 9LV SAT Software Engineer's main focus will be to:

- Design, develop and test the 9LV SAT software solution.
- Work as an integral part of the 9LV SAT team.

These activities will be performed under the guidance and direction of the appropriate Group Technical Authority to satisfy the safety, certification and design authority requirements of the company.

**Specific Areas of
Responsibility:**

The specific areas of responsibility for assigned tasks will include, but not be limited to, the following:

- Assist in 9LV Sat product development – assist shaping future Human Machine Interface, adapt well to change, rapid turnaround solutions based development.
 - Actively seek inefficiencies and improve the software development process within the 9LV SAT team.
 - Complete assigned tasks delivering technically reviewed specifications and development artefacts.
 - Demonstrate commitment to thorough testing, troubleshooting and bug fixing.
 - Contribute ideas, think outside the box to develop innovative ways to deliver simple intuitive user experience.
 - Support the Integration Team in integrating your software components with components developed by other team members
 - Participate in working groups, design reviews and other forums with team members, functional teams, customers and end users to discuss and agree designs and explore improvement opportunities.
 - Develop and maintain knowledge about contemporary software development standards, principles and best practices.
 - Conduct demonstrations for customers, potential customers and supporters.
 - Comply with company policies, processes and instructions, including those relating to equal opportunity, safety, duty of care and the quality management system.
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**Qualifications and
Experience:**

Essential

- Tertiary qualifications in engineering, computer science, or related technical discipline.
 - Substantial professional experience.
 - Experience in C# and Visual Studio 2008.
 - Experience with Integrated Development Environments such as Microsoft Visual Studio, IBM/Rational Application Developer or Eclipse.
 - An understanding of the techniques applicable to the development of multi-threaded Microsoft Windows desktop applications.
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- Understanding and commitment to software development processes.
- Ability to undertake software design, implementation and testing.
- Experience in producing and reviewing technical documentation, including software design descriptions and software test descriptions.
- Experience liaising with customers and end-users.
- Experience working within a team environment.

Desirable

- Experience in WPF and Human Machine Interface design.
- Experience in Command, Control and Communications (C3) Software Development and/or Integration.
- Experience in developing near real time software.

Personal Qualities:

- Well-developed communication skills (both written and oral).
- Ability to work with others in a team environment, including sharing knowledge and experiences.
- Ability to plan, schedule, prioritise tasks and to meet deadlines.
- Ability to work under pressure.
- Good problem solving skills and the ability to develop creative and innovative alternative solutions.
- Ability to adapt to new tasks, technologies, processes and procedures.
- Customer focussed.
- Display behaviours which reflect company values.

Note: *To comply with Defence Industry security requirements, candidates for the position must be Australian citizens or able to meet citizen eligibility requirements.*