

Software Engineer

Position Title:	Software Engineer		
Department:	Engineering		
Function:	Software		
Location:	Core engineering function resides in Melbourne. Bid Projects and customer related activities may require travel to Brisbane and Canberra sites.		
Security level required:	Able to obtain and maintain Negative Vetting 1	ITAR designated:	Yes

Key Relationships: (Internal/ External)
Internal: <ul style="list-style-type: none"> Software manager, Program Engineering Managers, Software Testers, ELSA FSRs, ESLC IT External: <ul style="list-style-type: none"> Customer Project and Technical Staff, Subcontractor Engineering Staff

The Company:	Elbit Systems of Australia Pty Ltd (ELSA) is a growing presence in the defence and law enforcement industries in Australia. A subsidiary of Elbit Systems Ltd, ELSA develops state of the art technologies and integrates them into the Australian market. ELSA's main business is Systems Integration for the Australian Defence Force (ADF), with an emerging presence in the law enforcement, intelligence and cyber markets.
Position Purpose:	<ul style="list-style-type: none"> Designs new solutions based on Enterprise Software Infrastructure created by Elbit Systems. Designs, develops and tests applications and interfaces based on ESL development framework. Supports integration activities, testing efforts and ILS

Core Responsibilities:	Key Tasks:	Expected Results:
Software Engineering activities	<ul style="list-style-type: none"> Creating detailed Software solution design based on Software specification. Maintaining control over the software lifecycle parallel to the project's software development lifecycle. Determining operational solutions for various solutions with unique software components. Ensuring system software is compatible and capable of required performance metrics. Being a Subject Matter Expert in the System operation, terminology and technical terms. Integrating created solutions with third-party applications, modules and Hardware components. 	<ul style="list-style-type: none"> Achieving full productivity within 6 month of employment Software design is produced and maintained Software is developed and verified to meet the expected quality and project schedule All the issues are raised and tracked in timely manner Integrity of engineering works and reporting to the manager
Workplace Health and Safety	<ul style="list-style-type: none"> Take reasonable care to ensure personal safety and health at work and of other persons in the work place Observe all safe working practices as directed by the supervisor and the use of personal protective equipment as and when provided Report ALL accidents, incidents and hazardous situations arising in the course of work 	<ul style="list-style-type: none"> Proactively address identified safety issues

Training & Qualifications:	
Essential	Desirable
<ul style="list-style-type: none"> Substantial applicable software development experience 	<ul style="list-style-type: none"> Tertiary qualification(s) in Engineering/ Computer Science Command and Control applications experience Microsoft Office Suite (Word, Excel, PowerPoint) Working with Enterprise infrastructure
Work Experience & Industry Knowledge:	
<p>Experience</p> <ul style="list-style-type: none"> Experience in the following: <ul style="list-style-type: none"> C# or Java Server (desirable) <ul style="list-style-type: none"> JavaScript, Node.js, HTTP, REST API, JSON, Non-SQL DB like MongoDB; Client (desirable) <ul style="list-style-type: none"> JavaScript, React & Redux, HTML5, CSS, Full design process for Object oriented products Developing/Designing software for different types of HW and OS (Windows, Linux). Using Source/Version control tools. Project planning and management. Usage of Integrated Development Environments (Microsoft Visual Studio, IntelliJ, Eclipse, etc.) Build/Deployment tools: Jenkins, Maven, NPM, NuGet etc. Army service in Combat or Signal unit - ideal but not essential <p>Knowledge</p> <ul style="list-style-type: none"> Expert knowledge of object-oriented design patterns and principles Vast knowledge of software operational design concepts, Human Machine Interface (HMI) network and systems topology. Knowledge of computer program design methods and techniques. Knowledge of writing program documentation. Knowledge of software engineering design methodologies 	
Core Behavioural Competencies & Skills:	
<ul style="list-style-type: none"> Dedicated and goal driven Working across multiple engineering disciplines Strong written and verbal interpersonal communication ability Understanding of systems and software engineering concepts and practises A technical mindset with great attention to details Presentation ability (customer facing) High quality organizational and leadership skills Willing to undertake domestic and international travel when required 	