Summary of Openings:

1) Content Developer (1 year contract)
2) Cyber security Engineer
3) Design and Development Engineer
4) Design Engineer (Software)
5) Design Engineer
6) Engineer (Controls Design)
7) Instructional Designer (1 year contract)
8) Marketing & Sales Executive (1 year contract; Educational Technology)
9) Software Engineer (Software systems)
10) Software Engineer (Software / Firmware)
11) Software Security Engineer

Content Developer (1 year contract)

Job Description:
• Create and develop engaging media content for e-Learning coursewares
• Film and edit AR coursewares
• Conceptualise UI/ UX design for LMS, courseware and mobile app
• Support demonstrations or proof of concepts
• Perform courseware testing before delivering to users
• Conduct user training
Job Requirement:
• Degree in multimedia design, video production, visual effects, interactive design or related qualifications
• Experience in designing and developing e-learning coursewares (programming is an advantage)
• Proficiency in areas such as UI/UX, graphic design, video production, programming and/or courseware authoring softwares
• Must be meticulous, eye for detail and design, pride in delivering quality work
• Passion for learning, creativity and interest in new technologies
• Excellent oral, written and visual communication skills
• Positive attitude with strong initiative to work independently, as well as across teams and departments
• Strong adaptability and resilient in fast-paced environment
• Singaporeans only

Cyber security Engineer

Job Description:
• Analyze and establish security requirements for designed product & network
• Defend systems against unauthorized access, modification and/or destruction
• Configure and support security tools such as firewalls, anti-virus software, patch management systems, etc.
• Perform vulnerability testing, risk analyses and security assessments
• Research and recommend security upgrades

Job Requirement:
• Minimum Degree in Electrical/ Electronics Engineering with relevant experiences
• Minimum Degree in Computer Science/ Engineering, Information Technologies or related field
• Knowledge and experience in cyber security e.g. secured coding practices & thread modelling
• Good understanding of computer and vehicular network system, e.g. CAN Bus & TCP/IP secured communication
• Familiar with Firewall and intrusion detection/prevention protocols
• Ability to conduct penetration and vulnerability testing
• Singaporeans only
Design And Development Engineer

Job Description:

• Responsible for hardware design and development of military system(s)
• Establish mechanical system functional development and requirements
• Generate technical design records/reports for customer acceptance
• Perform outdoor subsystem qualification and testing both locally and overseas
• Provide support, training and knowledge transfer to other departments in production related activities

Job Requirement:

• Degree in Engineering (Mechanical, Materials and Mechantronics) or in Materials Science
• Knowledge in CAD modeling software
• Keen in developmental & out-field testing work
• Prepared to be overseas for extended periods
• Team player but also able to work independently
• Good interpersonal skills for building relationships with all organisation levels and external stakeholders
• Flexible and ability to adapt well to situational changes
• Singaporeans only

Design Engineer (Software)

Job Description:

• Responsible for software development, test, integrate and deploy software modules, and support of applications
• Conduct proof of concept during exploration phase to mitigate technical risks
• Conduct software analysis, troubleshoot, documentation of common software framework to tune the performance of systems in meeting specifications
• Support system testing and evaluation activities including onsite acceptance testing

Job Requirement:

• Degree in Computer Engineering, Computer Science, Electrical & Electronics or Mechatronics Engineering or related disciplines
• Hands-on experience in Java/ J2EE/ C/ C++/ .NET
• Knowledge in development of Apps for mobile and wearable devices
• Familiar with software development life cycle and development tools
• Knowledge of porting software codes from different platform and data management/ analytics will be an advantage
• Able to hands on and perform task practically as a team player
• Singaporeans only
**Design Engineer**

**Job Description:**
- Responsible for the vehicle electronics (Vetronics), power distribution system design, control system design, harness design, software development, integration and testing
- Scope of work includes design discussion and presentation with customers and production support
- Participate in system testing, field-testing and qualification of prototypes
- Source for suitable vendors and manage them according to project schedule

**Job Requirement:**
- Degree in Electrical/ Electronics Engineering
- Knowledge of electrical/ electronics hardware design
- Knowledge of communication protocols and network capabilities, e.g. serial communication, CAN network and Ethernet
- Software programming knowledge would be an added advantage
- Able to communicate and sustain good relationships in dealing with working counterparts at all levels, including customers and users of the products
- Able to work in a dynamic environment, and resilient to changes
- Able to work both as an independent individual and a strong team player
- Singaporeans only

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**Engineer (Controls Design)**

**Job Description:**
- Design Closed Loop Control Systems for gimbals, energy systems and vehicle mobility systems
- Participate in the design reviews with team members and customers
- Perform design documentation, drawings, engineering instruction
- Participate in the field-testing and qualification of prototypes
- Perform on-site troubleshooting and rectification, conduct failure analysis and to recommend improved design solution
- Write complete technical proposal for Tender. Review system/sub-system specification documentation and technical proposals

**Job Requirement:**
- Bachelor’s Degree in Electrical/Electronics Engineering or Mechatronics, other engineering field may be considered with relevant experience; Masters’ qualification in a similar discipline would be advantageous.
- Possess meticulous eye for details and excellent problem solving skills
- Previous working experience in Controls Engineering be advantageous
- Knowledge and understanding of Vehicle Dynamics, Gimbal Dynamics, Hydraulics Systems and/or Electrical Machines
• Strong verbal communication & writing skill
• Positive, strong critical thinking & decision making skill
• Ability to work independently and as a team, pro-active in raising & addressing potential issues
• Singaporeans only

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**Instructional Designer (1 year contract)**

**Job Description:**

• Conduct training needs analysis
• Develop pedagogically sound curriculum and recommend suitable learning strategies and solutions (AR, VR, MR, e-Learning etc.)
• Develop treatment studies and storyboards in consultation with subject matter experts
• Collaborate with content development team to develop interactive content with media assets such as videos, animations, games etc.
• Perform courseware testing before delivering to users
• Conduct user training and evaluate effectiveness of learning solutions
• Conduct WSQ courses (Precision Engineering)

**Job Requirement:**

• Degree in Education, Psychology, Learning Sciences, Instructional Design, Instructional Technology or related qualifications
• Experience in instructional design, training, curriculum development
• Possess passion for learning
• Experience with authoring tools and learning management systems
• Excellent oral and written communication skills
• Meticulous, eye for detail and design, pride in delivering quality work
• Strong interpersonal and project management skills, not limited to ability to handle multiple projects, meet deadlines and solve problems
• Positive attitude with strong initiative to work independently, as well as across teams and departments
• Strong adaptability in fast-paced environment
• Possess ACTA (DACE is highly preferred)
• Singaporeans only

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**Marketing and Sales Executive (Educational Technology; 1 year contract)**

**Job Description:**

• Research on potential industries and clients in local and overseas
• Develop marketing and communication strategies for high tech training solutions (AR, MR, VR, e-Learning etc.)
• Manage and coordinate marketing activities and demonstrations
• Assist in developing marketing material and demonstration props
• Build rapport and relationship with clients
• Manage client accounts

Job Requirement:
• Degree in Marketing, Business Admin or equivalent
• At least 1 year of marketing related experience
• In-depth knowledge of training tools and technology
• Must be IT savvy
• Good interpersonal and communication skills
• Must be a motivated, independent and confident, able to work in teams if required
• Singaporeans only

Software Engineer (Software Systems)

Job Description:
• Design, architecture and implementation of embedded software systems
• Participate in requirements and specifications capturing
• Work with interdisciplinary team to deliver project goals
• Provide technical leadership for junior software engineers
• Maintain software development tools

Job Requirement:
• Degree in Electrical/ Electronics Engineering, Computer Engineering or Software Engineering
• Proficient in C/C++ programming and OOAD methodology
• Experience in electronic, micro-controller and DSP.
• Ability to design and implement micro-controller and DSP systems an advantage
• Ability to work with inter-disciplinary team members to deliver project goals
• Ability to articulate design ideas to team members and customers
• Singaporeans only
**Software Engineer (Software/Firmware)**

**Job Description:**
- Gather and document software/firmware requirement during design reviews/meetings
- Design the software architecture for GUI & for embedded hardware
- Develop the software/firmware & perform white-box testing
- Validate the functionalities of the embedded firmware
- Perform system integration and testing on vehicle platform

**Job Requirement:**
- Degree in Electrical/ Electronics/ Computer Engineering/ Computer Science
- Good understanding of electrical system & microcontroller hardware interfaces is preferred
- Competent in firmware design and development, a good knowledge of C/C++ programming is expected
- Able to design software test cases for validation and verification
- Knowledge of using Matlab and Simulink for control drive development/simulation is a plus point
- Good communication and technical writing skills
- A team player who can contribute ideas and solutions to the project
- Singaporeans only

**Software Security Engineer**

**Job Description:**
- Apply industry knowledge and professional judgment in collating, analysing and synthesising appropriate software requirements, software design to adhere to military software standards and company's work instructions
- Produce high quality, technically accurate reports and other documents in support of projects to clear safety panels and review committees
- Manage and assist contractors in the areas of software safety
- Provide safety mitigation solutions and identify safety critical functions
- Formulate and design test cases for safety critical software functions

**Job Requirement:**
- Bachelor's Degree in Computer Engineering, Computer Science, Electronics Engineering or similar disciplines
- Ability to read and understand source code written in various programming languages
- Ability to draw and understand flow charts and software sequence diagrams
- Experiences in Realtime System Development
- Working knowledge in Control Systems
• Familiarity with software safety standard(s) will be at an added advantage
• Experiences with Real Time Operating System will be at an added advantage
• Experiences with working through one full software development cycle
• Good team player
• Must possess good written and communication skills
• Must possess good people skills and be able to engage customers
• Confident in delivering technical presentations.
• Singaporeans only

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