



Position Description

College/Division:	ANU College of Engineering & Computer Science
Faculty/School/Centre:	School of Engineering (SoE)
Department/Unit:	Battery Storage and Grid Integration Program
Position Title:	Software Development Manager
Classification:	ANU Senior Manager 1 (IT)
Position No:	TBC
Responsible to:	CTO, Battery Storage and Grid Integration Program
Number of positions that report to this role:	TBC
Delegation(s) Assigned:	D8

PURPOSE STATEMENT:

The ANU College of Engineering and Computer Science is dedicated to contributing to The Australian National University's reputation for excellence in research and research-led education. The College is at the leading edge within numerous fields, including logic, algorithms and data, signal processing, artificial intelligence, computer vision and robotics, computational mechanics, materials, fabrication, big software systems, renewable energy, networked systems and quantum cybernetics.

The Battery Storage and Grid Integration Program is an industry focused R&D initiative based at the Australian National University (ANU). The program is designing and implementing the building blocks of a resilient energy system, for the benefit of all energy users, through research, development and real-world demonstration. The software development team plays a vital role in transitioning research into practice, and shaping the future of the energy system. The Software Development Manager manages the day-to-day activities of the software development team and has overall responsibility for developing, deploying and maintaining software capabilities and systems to support research, projects and activities within the Program. In particular, the Software Development Manager will be responsible for delivering capabilities that will contribute to the coordination and orchestration of distributed generation, storage and electric vehicles in the Australian electricity system.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Software Development Manager works under broad direction of the Program CTO, and provides leadership in software system design, development, testing, and delivery. Following best-practice technical management procedures, the Software Development Manager will ensure optimal results for complex, multi-disciplinary software projects, often within the framework of international consortia, and maintain a close working relationship with the internal and external stakeholders of the Program. The Software Development Manager will maintain a high level of awareness of state-of-the-art technology in the software engineering field and will be required to manage team priorities in conjunction with the CTO and external project managers.

Role Statement:

Under broad direction, the Software Development Manager will:

1. Manage the design, research and development for complex software engineering projects, primarily in the area of smart electricity grids.
2. Provide management and technical leadership in the development of software that will provide a world-class platform to smart-energy researchers within the College and beyond. Promote this software, and provide support to users, in the form of training material, seminars, workshops, etc.
3. Provide strategic and technical advice to the Battery Storage and Grid Integration Program and others, in developing, integrating and using software related to smart electricity grids.

6. Provide effective leadership, management and recruitment of developers supporting projects in the area of smart electricity grids.
7. Comply with all ANU policies and procedures, in particular those relating to work health and safety and equal opportunity
8. Perform other duties as required, consistent with the classification of the position and in line with the principle of multi-skilling

SELECTION CRITERIA:

1. Relevant qualifications in a science, technology, engineering, mathematics or related discipline plus relevant practical experience OR an equivalent combination of extensive relevant experience and/or education/training.
2. Demonstrated experience of modern software development paradigms and practices and their implementation in a high-performing team.
3. Demonstrated capacity to design, develop and successfully deliver scientific, commercial, mathematical or computational software at a high level.
4. Knowledge and experience in smart electricity grids research or the energy industry would be beneficial.
5. Demonstrated ability to work with a high degree of autonomy and to set and monitor own work objectives within set resource limits and deadlines; as well as the ability to manage members of staff.
6. Well developed interpersonal and liaison skills with the demonstrated ability to work effectively as a team member and a proven ability to set priorities, meet deadlines and to quickly adapt to new environments.
7. A demonstrated high-level of understanding of equal opportunity principles and a commitment to the application of EO policies in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the [Background Checking Procedure](#) which sets out the types of checks required by each type of position.

Supervisor Signature:		Date:	September 2021
Printed Name:	Ben Weise	Uni ID:	

References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)



Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CECS	Dept/School/Section	Battery Storage and Grid Integration
Position Title	Software Development Mgr	Classification	SM1
Position No.		Reference No.	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a duty to provide a safe workplace.

- This form must be completed by the Supervisor of the advertised position and forwarded with the job requisition to Recruitment and Appointments Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment hazards prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see [Health Surveillance Procedure](#)
- Enrolment on relevant Work, Health and Safety (WHS) training courses should also be arranged – see [WHS Training & Induction](#)
- Consideration should be given as to whether 'Regular' hazards identified below should be listed as 'Essential' in the Selection Criteria

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	regular	occasional	TASK	regular	occasional
keyboarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
NON-IONIZING RADIATION			IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra-red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
CHEMICALS			BIOLOGICAL MATERIALS		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
carcinogens			genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:		Date:	
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