



**Australian
National
University**

Position Description

College/Division:	National Computational Infrastructure (NCI)
School/Centre:	National Computational Infrastructure (NCI)
Department/Unit:	National Computational Infrastructure (NCI)
Position Title:	Full-stack Web Developer
Classification:	ANU Officer 6/7
Responsible to:	Specialist Systems Programmer, User Support Services

PURPOSE STATEMENT:

NCI is Australia's leading national provider of high-end computational and data-intensive services, with a highly respected reputation for its services, expertise and innovation. It forms an integral part of the Australia Government's research infrastructure strategy, and is engaged with, and embedded in research communities, high-impact research centres, and research institutions nationally. NCI is an operating unit of the Australian National University and is built on and sustained by a formal collaboration of national research organisations, ANU, CSIRO, Bureau of Meteorology, Geoscience Australia, other research-intensive universities, and eResearch support organisations nationally.

This position will have a supporting role in developing and maintaining secure software systems that underpin NCI services and operations, including the ongoing development and maintenance of NCI's operational user and project management systems, resource accounting tools, and web applications that support merit-based grant schemes.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

This position will report to Specialist Systems Programmer, User Support Services, and work within a small team of web developers. The incumbent to this position will collaborate on project work with the User Services group and other NCI staff who support related services and infrastructure.

Role Statement:

Under the broad direction of the Specialist Systems Programmer in User Services, perform the following duties:

- Design, write and review code, test, document, and support software systems for NCI business processes, such as user registration, project proposals, and resource accounting and management. Secure software design and programming are the key duties of the position.
- Develop tools, utilities, and programming APIs to support and improve NCI business processes, including resource accounting and reporting, and management of users, projects, stakeholders and resource allocations.
- Work collaboratively with other staff and service providers to ensure NCI information systems are operational and maintainable, and provide essential services for NCI staff and users of the NCI.
- Provide programming and configuration assistance for the broader NCI information infrastructure.
- Other duties appropriate to the classification, as directed.

SELECTION CRITERIA:

1. Demonstrated experience in web application design and development and a relevant degree OR an equivalent combination of experience and education/training.
2. Demonstrated experience in: secure software design principles and life cycle management; quality user interface design and performance, web application development; version control systems; identity management systems, and modern programming languages, e.g. Python. Experience with Python, JavaScript, HTML, CSS, SQL and relational databases is essential. Experience with the Django web application framework, modern JavaScript frameworks, Bootstrap UI framework, and a development/task tracking system such as JIRA or Trac are highly desirable.
3. Demonstrated experience in developing secure applications on a Unix/Linux platform with integration of external products and services, preferably using open source software components. Experience with automated build-test-release frameworks and Linux system administration are highly desirable.
4. Well-developed interpersonal skills, including written and verbal communication and the ability to respond professionally and positively to critical feedback.
5. Ability to work within a team and to adapt to changes as requirements evolve, including a demonstrated ability to contribute to development of operational business systems at NCI.
6. A demonstrated high-level 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.

Delegate Signature:		Date:	
Printed Name:		Uni ID:	

References:[General Staff Classification Descriptors](#)[Academic Minimum Standards](#)



Australian
National
University

Pre-Employment Work Environment Report

Position Details

College/Div/Centre	Research and Innovation Portfolio	Dept/School/Section	National Computational Infrastructure (NCI)
Position Title	Full-Stack Web Developer	Classification	ANU Officer 6/7 (IT)
Position No.		Reference No.	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance <https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook>
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

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
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
organizing events	<input type="checkbox"/>	<input checked="" type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input checked="" 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/Delegate Name:			Date:		