



## **Job Details**

**Reference:** 11268

**Position Title:** IT Solutions Architect

**Classification:** Executive Level 1 (SITOC)

**Salary range:** \$83,187 - \$89,828 plus 15.4% superannuation

**Location:** 700 Collins Street, Docklands, Melbourne 3008

**Division:** Services

**Branch:** Climate and Oceans

**Section:** Computing Support Unit

**Status:** Ongoing

**Applicants:** Australian Citizenship– see [Essential Applicant Information](#)

**Applications close:** 12 November 2009

## **Advertisement**

The Climate and Oceans Branch of the Bureau of Meteorology is seeking an experienced IT Solutions Architect with qualifications and significant experience in both IT and Spatial disciplines to assist in the effective management of IT resources.

An understanding of the basics of Enterprise Architecture would be an advantage, but is not essential.

The ideal applicant will have very broad IT and spatial skills, with significant exposure to a wide range of spatial data management and dissemination issues. These would include data quality, licensing and metadata issues relating to vector, raster, grid, tabular and other aspatial data. Exposure to a range of server based spatial technologies including proprietary and Open Source will be well regarded. As will a good understanding of spatial open standards, particularly OGC and ISO 19100 series standards.

This position would suit an applicant with outstanding communication skills, who has a high degree of initiative and is able to function without the support of a fully resourced Project Office and supporting processes.

Qualifications admitting to the Australian Computer Society at the grade of member are highly desirable. Technical skills in web development, Java, Linux, RDBMS and Spatial will be well regarded.

## Duty Statement

Under broad policy control and under limited direction,

1. Lead a team of Information Technology Officers involved in, or as an individual officer, contribute to, the development, evaluation, implementation and maintenance of computing systems supporting NCC programs throughout the Bureau.
2. Evaluate and provide advice on the application of technological advances appropriate to NCC programs.
3. As a team leader or individual, contribute to the provision of computing systems for the processing, storage and provision of climate and oceans data.
4. Provide high level advice on programming and/or systems design to subject matter specialists undertaking their own system development.
5. Liaise with officers in the Information Technology Branch as appropriate.
6. Ensure that plans, policies and practices in relation to the various elements of the Bureau's Social Justice Strategy are applied in the work area.

**Duties representing highest function:** 80% of time is anticipated to be spent on tasks 1 and 4 to ensure the smooth and successful completion of Project work on budget and on time.

**Immediate supervisor:** EXECUTIVE LEVEL 2 (SITOB) (NO. 649)

## Job Profile

The Climate and Oceans Branch (COB) of the Bureau of Meteorology is in the process of reviewing its IT Governance processes to improve delivery of IT services to the Branch.

This role's primary responsibilities are to:

- analyse business requirements and develop implementable technical solutions;
- ensure consistent Application Architectures and also help to define a consistent Applications Architecture<sup>1</sup> across COB;
- ensure re-use of appropriate technologies, both Enterprise and Branch; and
- ensure alignment of Branch IT solutions to the Enterprise Architecture, liaising with Enterprise Architects as required.

This role will also:

- assist with the development of the Climate and Oceans Branch Segment of the Enterprise Architecture;
- assist with mapping data flows within as well as to and from the Branch;
- act as a spatial administrator for pre-production spatial servers and services; and
- liaise with spatial experts from other Branches.

In addition, the successful applicant of this position may be required to act as a Project Manager for a number of projects.

<sup>1</sup> An *Application Architecture* refers to the technical design of a single application.

An *Applications Architecture* refers to the technical design of all applications used within an Architecture Domain, e.g. COB's Enterprise Architecture Segment.

## Selection Criteria

**Applicants must address the selection criteria. To assist you prepare your application, please read the information at [General Information for Applicants](#) and complete the Bureau of Meteorology Application Cover Form.**

### Important

1. Demonstrated experience in the discipline of IT Solutions Architecture and exposure to Enterprise Architecture.
2. Proven ability in the analysis, design, implementation and maintenance of computing and web based systems. Understanding of, and experience with Java, JEE and relational database management systems would be particularly useful, as would experience with Unix and Linux. Exposure to Services Oriented Architecture approach to systems design and implementation in an enterprise environment will be well regarded.
3. A proven outstanding understanding of spatial information, spatial analysis and related issues, including OGC Standards and Services.
4. A demonstrated experience with a range of spatial technologies (Open Standards, Open Source and proprietary) for serving spatial data and services via the Web, including Spatial Intelligence Frameworks (e.g. Weave, GeoSamba, EView, OnPoint etc).
5. Proven outstanding communication abilities, including the ability to communicate technical issues effectively on a business level with staff at all levels and also at a technical level as appropriate for the audience. Ability to analyse problems logically and efficiently, and develop effective solutions.
6. Knowledge and understanding of the principles of the Bureau's Social Justice Strategy, and a commitment to apply them in practice.

### Desirable

7. Qualifications admitting to the Australian Computer Society at the grade of Member.
8. Demonstrated experience in the discipline of IT Project Management, including experience using Prince 2, PMBOK, Iterative or Agile. A good understanding of Service Management principles, ideally utilising ITIL.

## Contact

If you would like to know more about the Bureau of Meteorology visit <http://www.bom.gov.au/>

Employment conditions for most Bureau employees are contained in the Bureau's Enterprise Agreement 2009-2010 which is available on the website at: [The Bureau of Meteorology Enterprise Agreement 2009–2010](#)

Please read the selection documentation and if you have any queries specific to this position please contact Bruce Bannerman on (03) 9669 4093.

## Applications

**Applications can be lodged personally at:** The Recruitment Unit, 7<sup>th</sup> Floor,  
700 Collins Street, Docklands

**By mail to:** Recruitment Manager, Bureau of Meteorology, GPO Box 1289,  
Melbourne VIC 3001

**By email to:** [jobs@bom.gov.au](mailto:jobs@bom.gov.au)

**All applicants** are required to include a completed Bureau of Meteorology Application Cover Form, Résumé or CV and a Statement addressing the Selection Criteria.

**All applicants** are advised to read [General Information for Applicants](#) available on this web site before submitting their application.

Should you experience any difficulties with accessing information please contact the Recruitment Unit by email at: [jobs@bom.gov.au](mailto:jobs@bom.gov.au) or by telephone on 03 9669 4340 / 03 9669 4337.