



Job Details

Reference: 1030

Position Title: SOFTWARE ENGINEER

Classification: Executive Level 1 (Senior Information Technology Officer Grade C)

Salary range: \$83,187 - \$89,828 per annum plus an additional 15.4% superannuation

Location: 700 Collins Street, Docklands - Melbourne 3008

Division: Systems

Branch: Information Technologies

Section: Software Systems and Services

Status: Ongoing
(There is a possibility of a non-ongoing position in a similar role becoming available for a 2 year specified task)

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

Applications close: Thursday, 12 November 2009

Advertisement

The Bureau is seeking a skilled IT professional to work with a small team of software engineers to develop, maintain, document and support weather forecasting and data display systems.

The occupant will be developing mission critical software which is used by the Bureau's Severe Weather forecasters in support of events of significant importance to the Australia community.

Duty Statement

1. Play a leading role in the design and development of key severe weather visualisation and product generation systems of a highly specialised nature.
2. Significantly contribute to the direction of the project in collaboration with team members and sub-section leaders.
3. Contribute to the systems and procedures for managing software development to ensure effective integration of new applications into existing 24x7 operational systems.
4. Provide technical support for operational visualisation systems. Where appropriate undertake complex enhancements and provide documentation in support of operational systems.
5. Initiate and participate in liaison with other Bureau Sections in relation to system operations and development as required.
6. Contribute to other Bureau information technologies projects as opportunities arise.

7. Be aware of, and apply as necessary, the principles and practices of the various elements of the Bureau's Social Justice Strategy.

Duty representing highest function: 1

Immediate supervisor: EXECUTIVE LEVEL 2 (SITOB) (NO. 1034)

Job Profile

The Information Technologies Branch (ITB) manages the Communications and Computing Programs to meet the objectives of the Bureau of Meteorology. This position is located in the application development and support area of the Software Systems and Services Section of ITB.

The occupant is a member of a team of experienced information technology officers and meteorologists. The team is responsible for the development, installation and support of applications used by operational weather forecasters in the state-based Regional Forecasting Centres (RFC's) and the National Meteorological and Oceanographic Operations Centre (NMOC). The suite of applications supporting RFC's and NMOC is known as the Australian Integrated Forecasting System (AIFS), which is installed in some 28 forecasting offices throughout Australia, as well as the Fiji Meteorological Service. Maintaining the operational integrity of the existing system is a key responsibility as well as developing enhancements leading to the next generation system.

While there is no direct supervisory role with this position, an ability to play a lead role regarding issues of interest to the support and development teams will be valuable. Excellent communication and teamwork skills are required, including an understanding of group dynamics, as well as the use of initiative and judgement to contribute to changes to the existing processes and system in an effective and planned manner.

A broad range of highly developed technical skills is required covering software development, systems set-up, deployment, software maintenance and integration, and with an increasing role in development of new capabilities as the project evolves. The software systems developed by this group are typically written in the Java programming language using J2SE, not J2EE.

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.

1. Good communication skills and a proven record of working efficiently both independently and as part of a small team. The ability to take the lead in some areas would be an advantage. The ability to make a contribution to discussions about functional requirements and software design is essential.
2. Demonstrated experience with object oriented programming, maintenance and support, ideally using Java
3. Experience developing user interfaces, two dimensional graphical and scientific software.
4. Demonstrated experience with shell scripting, software development and maintenance in Unix.
5. Knowledge of software engineering principles as it applies to complex operational system development projects.
6. A knowledge and understanding of the principles of Workplace Diversity, Occupational health and Safety, and Participative Work Practices and a commitment to applying them in practice.

Eligibility Requirements:

A degree in Computer Science or Information Systems is highly desirable along with experience in Java, object oriented programming, graphics, Linux and Unix.

Contact

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

Please read the selection documentation and if you have any queries specific to this position please contact Andrew Donaldson on (03) 9669 4537 or Susan Fisher (03) 9669 4577.

Applications

Applications can be lodged personally at: The Recruitment Unit, 7th Floor, 700 Collins St, Docklands

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

By email to: 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 or by telephone on 03 9669 4340 / 03 9669 4379.