



Job Details

Reference: 11266

Position Title: ANALYST/PROGRAMMER

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

Salary range: \$83,187 - \$89,828 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

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

Applications close: Thursday, 12 November 2009

Advertisement

The Bureau is seeking an experienced analyst/programmer for its new graphical Forecast and Warning System. The focus of this role is on the forecast database, forecast product development and the development of web-based monitoring and testing tools. You will be working as a member of an experienced team of senior IT and meteorological professionals. The application is a significant new forecast and warning preparation system for public weather, severe weather, marine weather and fire weather forecasts and warnings. Experience with Python, XML, XSLT and Oracle SQL & PL/SQL is essential.

Duty Statement

Under limited direction,

1. As a team leader or member of a team, undertake software development and testing for the Graphical Forecast Editor (GFE) application system, testing tools, databases and interfaces.
2. Provide technical support for the implementation and operational use of the GFE system and provide expert advice on technical aspects.
3. Contribute to system documentation, system testing and release management.
4. Support the GFE Systems Manager in the development of plans, policies and standards for GFE operations.
5. Maintain an up-to-date knowledge of Information Technology techniques and industry developments, and their potential application to Bureau systems and operations.
6. 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 (SITOA) (NO. 1074)

Job Profile

The Information Technologies Branch manages the national computing and communications programs of the Bureau of Meteorology. This position is located in the GFE Systems Group within the IT Branch Software Systems and Services Section.

The GFE (Graphical Forecast Editor) is a U.S. National Weather Service software system that provides a graphical interface used by forecasters to edit and manipulate weather elements stored in a gridded format. The grids are initialised with forecast model guidance. The GFE automatically generates worded forecasts and warnings from the edited GFE grids, thus streamlining the forecast production process and increasing the coverage and resolution of the Bureau's weather services. The edited grids are also merged to form the national Australian Digital Forecast Database which will form the foundation for a set of new web and data services for the Bureau. A pilot GFE system has been implemented in Victoria and the Bureau plans to rollout the system nationally over the next four to five years.

The occupant of this position will be a member of a team of senior I.T. staff responsible for GFE support and implementation services, and for several GFE development, integration and enhancement projects. This role has a particular focus on GFE support, development of automated testing tools, GFE forecast databases and interfaces. The occupant will be expected to work closely with team members and with other development and support groups in the Section.

An ability to play a lead role in I.T. development and implementation sub-projects is important. Excellent analysis, planning, communication and teamwork skills are required, as well as a structured approach to system management. A broad range of technical skills are required and the flexibility and willingness to learn new technologies is also important.

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. Considerable and broad design and development experience is required. Demonstrated skills and experience in Python programming, XML, XSLT and Oracle SQL & PL/SQL are required. Experience with C/C++ and PHP is also desirable
2. Excellent problem solving and analytical skills, and an ability to objectively assess alternative technical solutions using sound judgement.
3. Demonstrated experience developing within Unix/Linux environments including the use of scripting languages and integrated development environments such as Eclipse.
4. Familiarity with structured software testing principles and techniques. Experience using software testing tools such as CruiseControl is also desirable.
5. Ability to communicate clearly and effectively with IT and non-IT personnel both verbally and in writing. This would include writing technical documentation, procedural guidelines, presentations and support guides.
6. A demonstrated knowledge and understanding of the Bureau's Social Justice Strategy and the APS Values and Code of Conduct and a commitment to their implementation in the workplace.

Eligibility Requirements: A degree or diploma from an Australian educational institution, or a comparable overseas qualification, which is appropriate to the duties is highly desirable.

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 Andrew Amad-Corson on (03) 9669 4840.

Applications

Applications can be lodged personally at: Recruitment Unit, 7th 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

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 4337 / 03 9669 4379 / 03 9669 4340.