Custom Linux Developer (with C, GTK/QT, LAMP)

Department/Unit	eSolutions
Faculty/Division	Office of the Chief Information Officer
Classification (salary rates)	HEW Level 6
Work location	Clayton campus
Date document created or updated	January 2018

Organisational context

Monash is a university of transformation, progress and optimism.   Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation.   For more information about our University and our exciting future, please visit www.monash.edu

eSolutions leads and directs the provision of IT solutions to the University. eSolutions is currently leading substantial technological, service and organisational reform in its role as a single IT function for the University that operates according to the following vision: We partner with our customers to provide complete solutions enabling the Monash academic mission and delivery of the strategic agenda. We aim to be a customer focused organisation delivering flexible, responsive, coherent ICT services. For more information on the work that we do, please visit our website: www.monash.edu/esolutions/

The Monash e-Research Centre (MeRC) is a University-funded centre devoted to supporting and nurturing the use of e-Research. It captures and combines the benefits of Monash's expertise in e-Research and its existing technical infrastructure to develop Monash University as a leading international institution for e-Research. For information about the work we do, please visit our website: www.monash.edu.au/eresearch/

Position purpose

The Custom Linux Developer (Software Developer) position is responsible for the design, development and maintenance of applications software through the provision of technical expertise.

Reporting line: The position reports to the Capability Manager, Research Support Services under broad direction.   While working on projects the position will take direction from the project leader.

Supervisory responsibilities: Not applicable.

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

1. Design, code, test and install applications programs either in one core language or in a range of languages and across multiple platforms

2. Develop and maintain system, operating and support documentation

3. Collaborate with users to evaluate IT applications and equipment requirements

4. Provide high-level diagnostic, solution design and subject matter expertise to projects or researchers

5. Ensure that systems being developed achieve necessary design and systems standards.

6. Keep abreast of emerging technologies and maintain up to date skills in line with industry best practice

Key selection criteria

Education/Qualifications

1. The appointee will have:
   - a degree with relevant experience in either software development or research; and
   - ITIL Foundation certification; or
   - an equivalent combination of relevant education, experience or training.

Knowledge and Skills

2. Demonstrable experience in a range of programming languages and frameworks including: Python and DJANGO framework, C, GTK; OS scripting languages such as Bash, Powershell; Java and Spring, Hibernate, Struts2, FreeMarker framework; Web technologies such as Apache, PHP, Javascript and AJAX; Object Oriented Design and Analysis / UML; Operating system component development and configuration for Live Linux
3. Demonstrated experience with contemporary software development methodologies
4. Knowledge of open source programming and tools such as GIT
5. Experience working in a research environment and demonstrated ability to accurately interpret research requirements and translate these in to well-designed programs
6. Ability to work effectively independently and as part of a team
7. Excellent organisational skills with the ability to plan and prioritise multiple tasks and meet deadlines

Other job-related information

- Travel to other campuses of the University will be required.
- Travel to interstate or overseas locations may be required.
- Overtime and out of hours work (including evenings, weekends and public holidays) may be required.
- There may be peak periods of work during which the taking of leave may be restricted.

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.