SENIOR WEB DEVELOPER (FULL STACK)

DEPARTMENT/UNIT: Digital Google Apps Team
FACULTY/DIVISION: eSolutions
CLASSIFICATION: HEW Level 9
WORK LOCATION: Clayton campus

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 Google Apps Team provides digital solutions that are primarily student facing, although at times these solutions might be aimed at Monash staff. The team operates from within eSolutions and is made up of multidisciplinary roles working together in an agile and iterative fashion with close collaboration with real users of the digital solutions produced.

POSITION PURPOSE
The Senior Web Developer is responsible for driving the development lifecycle of digital solutions as part of the Google Apps Team, including planning, analysis, design, development, implementation and maintenance.

The incumbent works directly with users, alongside a small team of technical professionals to understand business requirements and the end state of web applications in an Agile continuous delivery environment; ensuring end-state outcomes are factored into each stage of the project and success is measured based on these key metrics. These activities will require strong back end development together with proficient front-end development and UI design of web applications in a cloud based environment.

This position will liaise with a range of end-users and stakeholders, both internal and external, acting as a source of authoritative and specialist advice. Providing guidance to senior stakeholders on various projects, as well as managing the implications for policies or processes, this role has a strong a focus of continuous improvement and service excellence.

Reporting Line: The position reports to the Lead Web Developer (Full Stack) lead under broad direction working with a considerable degree of autonomy

Supervisory Responsibilities: Not applicable
Financial Delegation: Not applicable
Budget Responsibilities: Not applicable

KEY RESPONSIBILITIES

1. Lead and manage the software development life cycle including planning, analysis, design, development, implementation and maintenance of web applications for a range of internal and external stakeholders
2. Liaise with a range of stakeholders to gather requirements and determine the end state objectives in order to direct and manage the delivery of a range of web applications to enhance the student experience
3. As a recognised authority in web application development within a cloud environment, work closely with internal and external stakeholders and corporate service providers to provide specialist guidance and authoritative advice in incorporating strong unit testing tendencies into the development process
4. Cultivate expertise in emergent cloud based technologies to develop, and provide training to a range of users and developers in, cloud computing services for the University, in particular around developing a program of work around the platform as a service environment to ensure the technology is utilised to its full potential
5. Keep abreast of industry trends and libraries to provide advice on interlinking policies and systems to leadership as well as maintain skills in line with improving productivity
6. Undertake detailed analyses to refine business needs and design real solutions, synthesizing and aggregating findings into actionable items of work for development
7. Support the maintenance of code quality, organisation and automation whilst adhering to good development practices such as: code reviews, pull requests, branching strategies and app release management
8. Ensuring that systems are developed within agreed budgets and time-frames and achieving necessary design and systems security standards

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
   • A post-graduate degree, preferably in computer science, information technology, science or other relevant discipline and extensive relevant experience; or
   • an equivalent combination of relevant experience and/or education/training

Knowledge and Skills

1. Demonstrated practical experience in Java Web Development with a 50/50 coding split between front and back end and with Java backend frameworks such as Spring
2. Strong adherence to enterprise design patterns, code modularity and maintainability
3. Outstanding experience with HTML5, CSS3 (including frameworks such as Bootstrap), Javascript and AngularJs, VueJs or React
4. Strong experience in Agile development methodology
5. Experience integrating with JSON/RESTful APIs and middleware services
6. Strong hands-on experience automation and build tools with focus on maven, webpack and npm, supported by an understanding of testing practices
7. Solid understanding and experience working with Google Cloud platform, with particular focus on Google App Engine or similar experience with other Cloud platforms
8. Demonstrated ability to accurately interpret business requirements and translate these in to well-designed programs
9. Demonstrated ability to troubleshoot and solve complex technical problems
10. Exceptional communication, negotiation and influencing skills enabling effective interaction with stakeholders, including end users, in the provision of advice, guiding decision and seeking outcomes focused delivery

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which 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.