SENIOR BACKEND DEVELOPER

DEPARTMENT/UNIT  eSolutions
FACULTY/DIVISION  Office of the CIO
CLASSIFICATION  HEW Level 8
WORK LOCATION  Clayton campus

ORGANISATIONAL CONTEXT

There’s a certain feeling you get from working at Monash University. It’s the feeling that you’re apart of something special. Something significant. So if you’re looking for the next chapter in your career, it’s here. You’ll be given the opportunity to challenge yourself, build on your skills, and make a significant contribution to a workplace that’s filled with energetic and inspiring people. Talent thrives here - and so do truly satisfying careers. Discover more at [www.monash.edu](http://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 towards creating 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: [monash.edu/esolutions/](http://monash.edu/esolutions/).

The Monash Mobile team is responsible for designing, creating, integrating, testing, delivering and technically documenting new and amended mobile solutions.

POSITION PURPOSE

The Senior Backend Developer is responsible for driving the development lifecycle of digital solutions as part of the Monash Mobile Team (a team focused on delivering mobile applications), 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 skills with a deep knowledge on serverless cloud technology such as Firebase.

**Reporting Line:** The position reports to the Mobile Lead who will provide broad supervision

**Supervisory Responsibilities:** Coaching and mentorship of junior developers

**Financial Delegation:** Not applicable

**Budget Responsibilities:** Not applicable

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**KEY RESPONSIBILITIES**

1. Contribute to the leadership of the team, participating in planning, reporting and continuous improvement initiatives. Deputise for the Mobile Lead as required

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

3. Lead the development of operating and system documentation

4. Collaborate with users to evaluate IT applications and equipment requirements; develop and implement software that addresses user and university needs

5. Ensure that systems are developed within agreed time frames and achieve necessary design and systems security standards. Monitor and update stakeholders throughout the project stages

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

7. Provide technical mentoring and guidance to less experienced members of the applications development team

8. Provide solutions design and subject matter expert to projects

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**KEY SELECTION CRITERIA**

**Education/Qualifications**

1. The appointee will have:
   - relevant post-graduate qualifications or progress towards post-graduate qualifications and extensive relevant experience, or
   - extensive experience and management expertise, and
   - ITIL Foundation Certification; or
   - an equivalent combination of relevant experience and/or education/training

**Knowledge and Skills**

2. Outstanding skills in JavaScript and Node.js. Comprehensive knowledge in the Firebase suite and other serverless cloud technology

3. Supervisory skills and experience in providing leadership, mentoring or guidance to a team

4. Experience in integrating with platforms for analytics, push notifications, AI/ML and experimentation

5. Proven ability to accurately and independently interpret business requirements and translate in to well-designed programs

6. Outstanding planning and organisational skills, including the ability to prioritise multiple tasks and meet deadlines
7. Solid understanding and experience working with Google App Engine platform backend (Java) and the Google Cloud Platform. Skills in SQL and experience with Big Query
8. Experience working in the higher education sector is highly desirable

OTHER JOB-RELATED INFORMATION

- Travel (e.g. to other campuses of the University) may be required.
- 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.
- This position will require a successful National Police Record check

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive.

Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.