



POSITION DETAILS:

Position Title:	Lead Developer
Group:	Realms of Thinking Project
Supervisor:	Professor Dian Tjondronegoro - Project Manager
Date of Last Review:	July 2022

PRIMARY ROLE/PURPOSE:

The Lead Developer will design and build engaging digital experiences for a Web-based interactive platform. They will test, modify, and implement application code, and make new web applications in accordance with detailed specifications. Collaborating with a team of UI and database developers, the Lead Developer will successfully engage and co-ordinate multiple initiatives simultaneously and work to ensure timely deliverables with high quality.

The Lead Developer should possess an energetic attitude, creative problem solving skills, a passion for technology, excellent communication and relationship-building skills, and flexibility in approach and design.

As a technical lead on the Project team, the Lead Developer will provide strategic technical guidance to proactively improve the performance, reliability, security, and cost-effectiveness of customers' solutions using industry best practices. The Lead Developer will encourage an environment that promotes customer service, excellence, innovation, collaboration, and teamwork while implementing innovative technological solutions to meet the business' current and future needs.

KEY ACCOUNTABILITIES:

- Design and develop business functionality in multi-tier web solutions while improving code quality and infrastructure;
- Build scalable, unit-testable solutions for the website applications and do code reviews;
- Work closely with the Project Manager on the planning and execution of program development activities;
- Team management: supervise technical specialists, issue follow-up and ownership, balance work among team members according to skills and individual workload;
- Work across all phases of the software development lifecycle (planning, design, implementation, deployment, operations, and support);
- Manage team source code and version management using tools, such as Jira and/or Github, to commit and merge the code changes daily as the whole team follows CI/CD approach;
- Champion a culture of good security, coding standards, architecture patterns, resiliency, and documentation practices;
- Monitor progress, quality assurance, and performance in a team environment;
- Communication: information gathering, status reports creation, issue solving recommendations, providing technical guidance to other team members;
- Technical planning and preparation: analysis of technical requirements, solution proposals, and risk analysis.

KEY SELECTION CRITERIA:

Qualifications

- Bachelor degree (or equivalent experience), specialising in computer science, engineering, or similar.

Essential

- Expertise and hands-on experience with web applications and programming languages such as HTML, CSS, JavaScript, and Python, with an emphasis on efficiency and performance that adhere to policies and procedures to ensure high-quality and maintainable code is produced;
- Proficiency in Python-driven web frameworks, Django, and strong understanding of UI, cross-browser compatibility, general web functions, and standards;
- Proficiency in integrating with REST and SOAP web services, and experience with Amazon AWS;
- Knowledge of web security and building applications that do not expose sensitive data, preferably building and maintaining production applications professionally using microservices architecture, such as using Amazon AWS;
- Proficient in writing unit/integration tests and developing applications using a Test-Driven Development approach;
- Experience in working with and leading a cross-functional Agile team to understand requirements, do product backlog grooming, sprint planning, execution, and retrospective;
- Excellent communicator and ability to work as a team to accomplish a task;
- Strong problem-solving and decision-making skills while maintaining good judgment;
- High level of professional standards and conduct;
- Possession of a current Blue Card (Working with Children Check by Blue Card Services). This is non-negotiable. The successful candidate must have a current Blue Card before commencing work at the School. **If you do not currently possess a Blue Card, the School can assist successful candidates to make application to secure a Blue Card prior to commencing employment;**
- Agree to undergo a Criminal History/Police Check conducted by the School;
- Agree to be checked against the Anglican Church's National Professional Standards Register;
- **Must be an Australian resident and eligible to work in Australia.**

Criminal History Checks

- The School will conduct a Criminal History/Police Check on the successful applicant;
- The offer of this position is subject to the successful outcome of the Police Check and the possession of a current Blue Card (Working with Children Check by Blue Card Services);
- Should the Police Check or Blue Card reveal a negative outcome, this position will be immediately withdrawn.

AUTHORISATION:

I hereby agree that this Position Description accurately reflects work requirements.

Headmaster

Paul Browning

Name

Signature

Date

Lead Developer

Name

Signature

Date