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**POSITION DETAILS:**

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<b>Position Title:</b>	<b>Database Developer</b>
<b>Group:</b>	Realms of Thinking Project
<b>Supervisor:</b>	<b>Professor Dian Tjondronegoro - Project Manager</b>
<b>Date of Last Review:</b>	July 2022

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**PRIMARY ROLE/PURPOSE:**

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The Database Developer will design, develop, and implement databases, queries, visualisations, and tools to help build a Web-based interactive platform. Collaborating with and contributing to a team of software developers and a tech lead/architect on technical deliverables, the Database Developer will engage in multiple initiatives simultaneously and work to ensure timely deliverables for high quality and successful delivery of business requirements.

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

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**KEY ACCOUNTABILITIES:**

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- Create and maintain database tables, stored procedures, functions, and scripts using SQL. This includes writing codes for database access, modifications, and constructions including stored procedures;
- Configure, maintain, and support production databases in an enterprise operations environment. Capture, track and fix all existing database discrepancies identified by quality control checks, acceptance testing, and end-users;
- Develop implementation documentation which may include data sources, data diagrams, and other data movement processes;
- Work closely with end-users to design and develop specifications, data dictionaries, and access methods for optimum performance;
- Provide database-related leadership to project teams and mentor team members on database technologies as needed. This includes providing direction on data solutions, data integration points, and security;
- Work with the development team to move data through the pipeline using ETL and other integration processes;
- ETL performance tuning using best practices. Ensure Database Performance: Implement Best Practices and Compression/Scheduled Automated tasks for indexing;
- Use source code and version management tools, such as Jira and/or Github, to commit and merge the code changes daily as the whole team follows CI/CD approach.

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**KEY SELECTION CRITERIA:**

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**Qualifications**

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

**Essential**

- Advanced knowledge of SQL, deployment, and configuration in MySQL and/or PostgreSQL;
- Experience in a database (back-end) for a web-based UI development environment, preferably building and maintaining production applications professionally using microservices architecture, such as using Amazon AWS;
- Strong understanding of relational databases understanding to develop the conceptual, logical, and physical data models, and tabular and multidimensional cubes to meet business requirements;
- Organisation and analytical skills, with problem-solving ability;
- Ability to work independently, take initiative, and contribute to new ideas required in a diverse, fast-paced, deadline-driven team environment;
- Self-motivated, and detail-oriented;
- Ability to prioritise workloads and meet deadlines;
- 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.

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**AUTHORISATION:**

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

**Headmaster**

Paul Browning

Name

Signature

Date

**Database Developer**

Name

Signature

Date