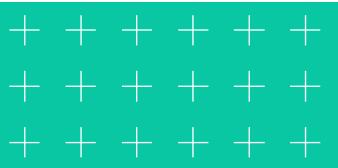


Advancing health for everyone, everyday.

Could this be you?

Join The Royal Melbourne Hospital Team





Position Description

ETL Developer, BioGrid Australia





THE ROYAL MELBOURNE HOSPITAL

The Royal Melbourne Hospital (RMH) began in 1848 as Victoria's first public hospital. And while we only had 10 beds to our name, we had the community of Melbourne behind us, and we were ready to provide the best possible care for those in need.

Since those early years, we've moved forward with purpose. Always at the forefront, leading the way on improving the quality of life for all.

Today the RMH is one of the largest health providers in the state, providing a comprehensive range of specialist medical, surgical, and mental health services; as well as rehabilitation, aged care, outpatient and community programs.

Our reputation for caring for all Melburnians is as essential to who we are as any scientific breakthrough we make. We're here when it matters most, and we'll continue to be the first to speak out for our diverse community's wellbeing.

OUR VISION

Advancing health for everyone, every day.

THE MELBOURNE WAY

At The RMH we're inspired by our vision of Advancing health for everyone, every day. While we're each going about our different roles, we're united by a shared understanding of the way we do things around here. We call it The Melbourne Way. We put people first — leading with kindness and working together, we excel as one Royal Melbourne Hospital.

People First



Lead with Kindness



Together

Excellence



People are at the heart of everything we do. We take the time to understand how we can make the most positive difference for them.

Our care and compassion sets us apart. We lead the way with a respectful, inclusive spirit — embracing the things that make us all unique.

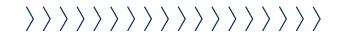
True excellence is only possible when we work as one Royal Melbourne Hospital community. Through collaboration, we set the highest of standards and achieve our goals.

OUR PRIORITIES

The RMH Strategic Plan: Towards 2025. Advancing health for everyone, every day is our plan for the future — one which we are committed to achieving together. This position contributes to the achievement of the five Strategic Goals, articulated in the plan:

- 1. Be a great place to work and a great place to receive care
- 2. Grow our Home First approach
- 3. Realise the potential of the Melbourne Biomedical Precinct
- 4. Become a digital health service
- 5. Strive for sustainability





Position Description

Position Title: ETL Developer

Service: BioGrid Australia

Location: The Royal Melbourne Hospital, City Campus

Reports To: Systems and Database Administration Manager, BioGrid

Australia

Enterprise Agreement: Victorian Public Health Sector (Health and Allied

Services, Managers and Administrative Workers) Single

Interest Enterprise Agreement 2016–2020

Classification: HS3

Employment Status: Full Time

Immunisation Risk Category: Category C

Date of Review: September 2021

POSITION SUMMARY

Position Purpose

Working in consultation with the Systems and Database Administration Manager, BioGrid Australia, the ETL Developer will be responsible for data extraction, transformation and surfacing of data across the BioGrid federated platform while ensuring high levels of data quality.

The ETL Developer is required to adhere to database policies and procedures to ensure the integrity and availability of client, member and internal databases.

Where required, the ETL Developer will design, install, monitor, maintain, and tune production and development databases. These span the federated databases as well as stand-alone, small-to-medium-size systems contributing data to the BioGrid Australia national data linkage platform.

Department Description

BioGrid Australia Ltd is a not for profit company limited by guarantee. Its members are health services, universities and research institutes that utilise this trusted virtual real-time national data linkage platform to conduct collaborative multi-site research. BioGrid specialises in real-time linkage of hospital-based and managed clinical treatment outcome, genomic, biospecimen and patient administration system data.

BioGrid's head office is located at Melbourne Health, which is a major public health provider in Victoria, Australia and is one of the lead organisation members in the BioGrid Australia collaboration.





BioGrid Australia - Our Vision

Our organisation will be the leading independent platform of choice for clinical and research data collaboration

BioGrid Australia - Our Mission

Accelerate medical insights so that we all have healthier lives by providing researchers with a preferred independent platform offering enduring curated clinical data linkages in a research-ready, privacy-protected and secure manner.

BioGrid Australia - Our Values

Dependable & Innovative

Trustworthy & Accountable

Collaborative & Customer Focussed

BioGrid's Unique Legal and Ethical Framework

- BioGrid has an overarching evergreen collaboration agreement with over 40 institutions (representing over 80 sites across Australia) covering the management of governance, intellectual property, data access, undertaking projects, commercialisation and publications.
- BioGrid has ethics approval for its national data linkage platform. This includes systems, methodologies and processes for data linkage, data governance, data privacy, data security and data access in every Australian state and the ACT.
- BioGrid is the only collaboration network in Australia with the legal and ethical framework to enable the sharing of real-time health and medical data for research.

BioGrid's Federated Technical Solution

- BioGrid's federated national data linkage platform is scalable and continues to be improved using robust global vendor hardware and software. BioGrid does not store linked data: rather the platform is structured to access data across the federation as soon as specific research is authorised.
- Custodians of data linked to the BioGrid platform have full control over whom and for what purpose
 their data are accessed. This is managed via the BioGrid online Access Request System, which is
 overseen by the Melbourne Health Human Research Ethics Committee (HREC) on behalf of the
 BioGrid collaborators.
- BioGrid utilises either probabilistic identity matching or exact matching using a cryptographic hashing function, to enable linkage of individuals' records across multiple datasets. This is achieved by using a defined set of personally identifying information to create a BioGrid Unique Subject Identifier for each individual.

BioGrid's Individual Privacy and Data Security

- BioGrid only uses identifiable data for the purpose of record linkage. This is consistent with section 3.1
 of the NHMRC National Statement on Ethical Conduct in Human Research.
- All data transfers and linkages within BioGrid's infrastructure are performed over secure and encrypted network connections. Identifiable data is received and managed separately to individuals' health information so authorised researchers only access coded data (i.e. with identifiers removed).
- BioGrid uses the highly regarded IBM Security Identity Management System to control authorised user provisioning and web access to data available through BioGrid.

The BioGrid data platform, established in 2003, is a virtual repository of clinical and genetic data sets. Physically located within independent institutions, the data sets can be integrated, searched and queried seamlessly via a federated data integrator. The web-based platform has the capacity to uniquely identify and ethically integrate data collected about an individual across multiple institutions while protecting both privacy and intellectual property. Further information on BioGrid is available at www.biogrid.org.au.





KEY ACCOUNTABILITIES

- Take reasonable care for your safety and wellbeing and that of others.
- Work in your scope of expertise and seek help where required.
- Work collaboratively with colleagues across teams.
- Speak up for data and information security.
- Continue to learn through mandatory training and other learning activities.
- Seek feedback on your work including participation in annual performance discussion.
- Speak up for safety, our values and wellbeing.
- Prioritise wellbeing and ensure safe work practices are developed and adhered to in their area.
- Respect that the RMH and BioGrid are a smoke-free environments.

KEY ACCOUNTABILITIES - POSITION SPECIFIC

- Design, develop, implement, document and monitor extraction, transform, load (ETL) procedures on local research repositories as required:
 - Create and update existing SQL tables and views;
 - Perform data mapping and data linkages;
 - Create schemas, views and nicknames in IBM DB2;
 - Create SAS libraries; and
 - Monitor database and ETL packages performance.
- Design, create and document models for new database development and/or changes to existing ones through data modelling tools.
- Ensure the stability and reliability of data access and data quality across the linked databases via ongoing database support and maintenance.
- Ensure that systems undergo appropriate testing and development in conjunction with implementation and deployment.
- Implement end-to-end data integration into BioGrid infrastructure as required.

KEY RELATIONSHIPS

Internal

• BioGrid Australia Technical, Data and Business team • BioGrid Australia Stakeholder Groups members

External

- Hospital Information Technology Departments
- Hardware and Software Vendors

KEY SELECTION CRITERIA

Formal Qualifications

Degree in Computer Science or Information Systems (or equivalent)





Essential - Technical

- Three years' experience working in database and ETL packages development.
- Experience with SQL Server SSIS ETL including design, build and deployment.
- Experience working with various data sources formats including structured, semi-structured and unstructured data.
- Strong development skills in SQL and T-SQL.
- Experience with creating and managing database objects, including tables, views, stored procedures, triggers.
- Experience in SQL Server administration tasks, including database backup, restore, user creations, and SQL server agent jobs.
- Familiarity with entity relationship modelling techniques.
- Broad knowledge of reporting and query tools and practices.
- Experience with Database Connectivity components:
 - ODBC / OLE Configuration
 - o MS SQL Client

Essential - Non-Technical

- Commitment to abiding by RMH and BioGrid values.
- Demonstrated high level interpersonal skills (verbal and written) including user, team and client relationship management.
- Demonstrated ability in managing change within a busy IT environment.
- Ability to meet tight deadlines and budgets and to work efficiently and effectively.
- Ability to work autonomously under minimal supervision, and in a team environment.
- Excellent organisational, time management and prioritising skills with ability to manage multiple conflicting priorities under pressure.
- Excellent problem solving and problem management skills with a strong desire to 'do it right' the first
- Self-motivated and directed, with keen attention to detail.

Desirable

- Experience in Open source Database management systems e.g MySQL.
- Experience in cloud ETL tools.
- Experience in Microsoft Virtual Server technology.
- Experience with IBM DB2
- Experience working with SAS and creating SAS libraries.
- Technical product certification.
- Experience with scripting languages.
- Experience with reporting tools.
- Basic Open System Interconnection (OSI) understanding.





KEY PERFORMANCE INDICATORS

Your performance will be measured through your successful:

- Demonstration of RMH and BioGrid values
- Achievement of portfolio specific KPI targets
- Participation in and satisfactory feedback through the annual performance review process
- Ability to maintain a safe working environment and ensure compliance with legislative requirements

AT THE RMH WE:

- Aim to provide a working environment that is safe and without risk to the health, safety and wellbeing of all employees, patients and consumers, and visitors.
- Speak up for patient, consumer, colleague and visitor safety, escalating issues if required.
- Deliver Safe, Timely, Effective, Person-centred Care (STEP) in line with our clinical governance framework.
- Are an equal opportunity employer, committed to providing a work environment free of harassment and discrimination. We promote diversity and inclusion in the workplace.
- Work in accordance with relevant policies, procedures, standards and legislation including those related to clinical or competency requirements, risk management, discrimination, equal opportunity and health safety and wellbeing.

ACCEPTANCE

acknowledge and accept that this position description represents the duties, responsibilities and
accountabilities that are expected of me in my employment in the position. I understand that The RMH
eserves the right to modify position descriptions as required, however I will be consulted when this occurs.

Employe	ee Signatui	re						
Employe	ee Name (p	please pr	rint)					
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Date								