Senior DevOps Engineer, ProCan

- **Make an important contribution to the health of children through medical research**
- **Work with one of Australia's most respected national and independent medical research institutes**
- **Gain valuable experience in leading edge research data science infrastructure**

Children's Medical Research Institute (CMRI) was Australia's first dedicated paediatric research facility and is now one of the nation's most highly regarded independent medical research centres. Our research focuses on the areas of embryonic development and birth defects, cancer, neuroscience and gene therapy and we have a strong international reputation based on our research outcomes. CMRI's research programs are supported by state of the art facilities and committed research and support staff. Our achievements are made possible by a loyal network of community supporters, highly engaged donors and the very successful Jeans for Genes® fundraising campaign.

ProCan®

ProCan®, the ACRF International Centre for the Proteome of Human Cancer, was established at CMRI in 2016. It is a major new program that applies innovative technology to analyse the protein content of small tissue samples. The goal of ProCan® is to complete a comprehensive proteomic analysis of all cancer types to improve diagnosis, and to enable more precise recommendations for the effective treatment of cancer patients. ProCan® will analyse around tens of thousands of adult and children's cancers with a view to rapid translation of research findings into clinical practice.

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The Senior DevOps Engineer (SDE) is responsible for the design, support and build of complex infrastructure, operational processes, and infrastructure automation to support teams of cancer data scientists and cancer proteomicists in the execution of their computational and experimental processes. This role will also assist CMRI ICT with specific projects.

We are now seeking to appoint a **Senior DevOps Engineer** to join the Software Engineerting team within the ProCan® Computational Science team. Key accountabilities will include managing complex High Performance Computing hardware; design, maintain and support systems, systems security and troubleshooting.

Selection Criteria

Essential

- Masters or PhD in Computer science preferably with focus on Security or equivalent experience in the field.
- Member of a professional body in a related field e.g. IEEE

- At least 10 years full time systems administration or DevOps experience
- Experience in production critical environments
- Experience in a full or part time support role
- Experience in Agile team environment
- Experience with use of databases including Relational and Key Value Store.
- Deep knowledge of networking protocols and architecture including VLans, routing, DNS, VPNs, TCPIP
- Deep knowledge of Ubuntu, RHEL OR Centos 7
- Deep knowledge of IT Security including certificates and protocols
- Demonstrated ability to work independently and as part of a multi-disciplinary team
- Demonstrated troubleshooting abilities
- Track record in system documentation
- Windows technical skills
- Good organisational skills, including experience working with project management concepts
- Ability to work with vendors and stakeholders

Desirable

- Experience in a research environment

You will be provided with a competitive remuneration package in accordance with qualifications and experience. Additional benefits include the provision of a Public Benevolent Institution salary packaging scheme and participation in an employer-contributed superannuation fund.

Applications should include a cover letter (citing **PV2125**), curriculum vitae and contact details (phone/email) of three professional referees and be forwarded to recruitment@cmri.org.au

Closing date for applications is **Friday 4th June.**

Please direct enquiries regarding the position to Peter Hains, Team Leader, ProCan Software Engineering, Email mdausmann@cmri.org.au