www.nisient.com
PO Box 5002
MAROOCHYDORE BC QLD 4558

Job Description - Junior DevOps Engineer

Position	Junior DevOps Engineer
Function	DevOps / Software Engineering
Career Stage	Final-year / Graduate
Work Arrangement	Full-time / On-Site
Salary	TBC

About Nisient

Nisient is an Australian technology company founded in 2015 with the belief that businesses should be catalysts for positive social transformation. We develop secure network and remote-operations technologies that help organisations manage connected assets more reliably, efficiently and at scale.

Our mission is to pioneer technologies that create genuine impact for the businesses that use them and, through better use of resources, for the planet at large. Knowledge and research drive our work, drawing on decades of development, standards and operational experience across global networks and market-leading technologies. Today our work spans software engineering, data communications, security, quantum communications, data and machine learning.

Sustainability is part of how we think about technology, not a separate initiative. The values that guide how we work are Authenticity, Transparency, Compassion, Respect and Integrity.

About The Role

The Junior DevOps Engineer will participate in the agile development models adopted by Nisient and will be assigned specific tasks to support the automation of development, testing, deployment, and maintenance of the codebase and products. These tasks include developing operations software; implementing and managing CI/CD pipelines; automating processes; testing and monitoring system performance; and documenting work.

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Nisient's project management and development tools must be kept up-to-date with milestone and progress information, as this is the main method of overall project and deliverables management used by Nisient. Managing these tools falls under the responsibility of the Junior DevOps Engineer.

Key Responsibilities

The Junior DevOps Engineer's key responsibilities include:

- Learning and understanding the Nisient application suite and codebase.
- Assisting in the implementation and maintenance of CI/CD pipelines using various tools and practices.
- Attending and contributing to team meetings.
- Updating and maintaining Nisient development tools and systems, and monitoring system performance.
- Writing and maintaining technical documentation.
- Assisting the development team in achieving set goals and milestones.
- Ensuring processes and tools align with required security standards.
- Developing and improving development tools, including automated software testing.
- Testing software functionality, including security testing such as pentests.
- Upholding Nisient values.

What We Are Looking For

We are looking for someone who brings the following foundations and is ready to keep learning as the work develops:

- Completing the final year of a Bachelor's degree in Software Engineering, Computer Science, Computer Engineering, Data Science or a closely related field.
- A strong foundation in programming, algorithms and problem solving.
- Exposure to one or more of Rust, TypeScript, Python or C++ through university, research, personal projects, employment or open-source work.

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- An interest in how systems work, including the connections between software, communications, security and data.
- Strong analytical, research and reasoning capability.
- Clear communication and the ability to explain thought processes.
- Familiarity with Unix/Linux environments.
- The ability to learn quickly, ask useful questions and work through unfamiliar problems.

Highly Desirable

If you have experience in any of the below areas, we would particularly like to hear from you:

- Networking, data communications or distributed systems.
- Cybersecurity, cryptography or post-quantum cryptography.
- Statistics, data analysis or machine learning.
- Bun, Node.js, MongoDB or related technologies.
- Embedded systems, simulation, test automation or development tooling.
- Machine learning and quantum communications.
- Experience applying machine learning and physics-informed approaches to address complex engineering problems.

Applications and Enquiries

Applications and enquiries should be sent via email to Jane Percy:
human_resources@nisient.com

To apply, please send:

- Your current resume.
- A cover letter explaining why Nisient interests you, what you want to learn, and what you think you could bring.
- A list of the subjects or units you have completed/are currently completing in Years 3 and 4, including any relevant capstone, honours or major project work.

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We welcome applications from people with different backgrounds, experiences and ways of thinking. If you need an adjustment during the recruitment process, tell us what would help you participate fully.

At Nisient, we believe that equality is at the core of who we are and that business can be a powerful force behind social change. Creating a culture of equality is not only the right thing to do but also makes for an intelligent business strategy.

Priority will be given to First Nations, Aboriginal, Torres Strait Islander, and NDIS recipients.