# DevOps Engineer, ALA – CSOF5

The following information is for applicants

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| **Advertised Job Title:** | DevOps Engineer |
| **Reference Number:** | 81192 |
| **Classification:** | CSOF 5 level |
| **Salary Range:** | AU $100,710 to AU $108,985 plus up to 15.4% superannuation (This position may consider both full-time and part-time arrangements, between 0.6 to 1.0 FTE. In case of a part-time arrangement, salaries and superannuation will be calculated pro rata) |
| **Location:** | Negotiable and will consider all locations where CSIRO has a significant presence |
| **Tenure:** | Specified Term of 2 years |
| **Relocation assistance:** | Will be provided to the successful candidate if required |
| **Applications are open to:** | Australian Citizens and Permanent Residents Only |
| **Functional Area:** | Technical Service |
| **% Client Focus - Internal:** | 80% |
| **% Client Focus - External:** | 20% |
| **Reports to the:** | DevOps Manager |
| **Number of Direct Reports:** | 0 |
| **Delegation Rank** | N/A |

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| **Role Overview:** |
| * Do you want to apply your dev-ops and system engineering skills to be part of science and research at CSIRO? * Are you passionate about cloud-based services, open-source software and big data? * Would you like to work in an international collaboration?   We are offering an exciting dev-ops role working at CSIRO in biodiversity science, using modern open- source and cloud technology and collaborating with stakeholders all around the country and the world.  The Atlas of Living Australia (ALA) is Australia’s national biodiversity data aggregator funded under the National Collaborative Research Infrastructure Strategy (NCRIS) and hosted by CSIRO. The ALA is the Australian node of the Global Biodiversity Information Facility (GBIF). Our digital infrastructure is developed in-house to support research activities, government decision-making and community events.  The ALA uses and produces software services and tools to aggregate Australian biodiversity data from a variety of providers and make it discoverable and reusable online. Our technology stack is reused by over 25 countries.  The role of the DevOps engineer is to manage and maintain ALA’s hosted infrastructure across a range of cloud providers, including AWS, NCI, Nectar and CSIRO. They will be responsible for deploying apps and services, identifying production issues, and implementing improvements that meet the needs of ALA teams and their customers. |

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| **Duties and Key Result Areas:** |
| * Maintain and improve deployment configuration files for use in Ansible deployments * Manage the DevOps issues and track progress via the team’s Kanban board * Apply security patches to servers * Monitor server logs and statistics * Manage backups and periodically test restore scripts * Review code changes by other members of the team * Assist with the transition to container-based deployments using Kubernetes * Other duties as directed |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed*  **Values and Behaviours:**   1. **People First:** We put the safety and wellbeing of our people above all else, and we know that diversity is the compass to navigate innovation. (*Respect, Caring, Inclusive*) 2. **Trusted:** We earn trust everywhere, because we deal only in facts, and we operate with unwavering integrity. (*Partnering, Cooperative, Humble*) 3. **Further Together**: We collaborate widely and generously to boldly take on challenges that are bigger than ourselves. (*Curious, Adaptive, Entrepreneurial)* 4. **Making it Real:** We don't just do research – we deliver solutions that create change in our world. (*Accountable, Authentic, Courageous*)   **Pre-Requisites:**   1. **Education/Experiences:** Tertiary qualification in Science, Engineering, Computer Science, or other relevant field / or equivalent experiences. 2. **Communication:** Excellent communication skills, both written and oral, including the ability to identify and influence critical stakeholders to gain support for contentious, proposals/ideas. 3. **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment. 4. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously and carry out non-routine tasks independently. 5. **Problem Solving:** Proven ability to investigate underlying issues of complex and ill-defined problems and develop appropriate responses by adapting/creating and testing alternative solutions.   **Essential Criteria:**   1. Experience managing Linux-based servers in a production environment 2. Experience deploying and managing software in a cloud environment, such as AWS, GCP, Azure or OpenStack 3. Scripting language experience – one or more of Shell/BASH, Python, JavaScript, Ruby 4. Working knowledge of databases and SQL 5. Experience with git version control system (or equivalent) 6. The ability to work both independently and as part of a team, taking initiative and exercising sound judgement in resolving matters to achieve desired results.   ***Desirable Criteria:***  0. *Experience with configuration management or infrastructure as code tools, such as Ansible, Terraform, CloudFormation, Puppet or Chef*  1. *Experience with agile methodologies*  2. *Experience or knowledge of cyber security concepts and best practices*  **Eligibility:**  The successful applicant will be required to obtain and provide a National Police Check or equivalent.  To be eligible for this position you must be willing and able to travel occasionally**.** |

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| **Other Information:** |
| **How to Apply**  Please apply for this position online at [www.csiro.au/careers](http://www.csiro.au/careers). You may be asked to provide additional information (online) relevant to the selection criteria. If so, then responding will enhance your application so please take the time to provide relevant succinct answers. Applicants who do not provide the information when requested may not be considered.  If you experience difficulties applying online call 1300 984 220 and someone will be able to assist you. Outside business hours please email: [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au).  **Referees**: If you do not already have the names and contact details of two previous supervisors or academic/ professional referees included in your resume/CV please add these before uploading your CV.  **Contact:** If after reading the selection documentation you require further information please contact:  Nick dos Remedios via email: [nick.dosremedios@csiro.au](mailto:hamish.holewa@csiro.au)  **Flexible Working Arrangements**  We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to  us about how this role could be flexible for you. [Work life balance](https://www.csiro.au/en/Careers/The-CSIRO-Experience/Balance).  **Diversity and Inclusion**  We are working hard to recruit diverse people and ensure that all our people feel supported to do  their best work and feel empowered to let their ideas flourish. [Diversity and Inclusion Strategy](https://www.csiro.au/en/About/Policies-guidelines/Working-at-CSIRO/Diversity-strategy).  We are committed to the safety and wellbeing of all children and young people.  **About CSIRO**  At CSIRO, Australia's national science agency, we solve the greatest challenges through innovative  science and technology. Find out more! [www.csiro.au.](http://www.csiro.au/)    ALA is a business unit under the National Collections and Marine Infrastructure (NCMI) of CSIRO. We are Australia’s national biodiversity data aggregator funded under the National Collaborative Research Infrastructure Strategy (NCRIS). Visit our [website](https://www.ala.org.au/) to know more or follow us on [Twitter](https://twitter.com/atlaslivingaust?lang=en) for more information about the biodiversity data of Australia. |