



Senior Infrastructure Engineer

POSITION DESCRIPTION

1. POSITION SUMMARY

AustLII is the largest free-access provider of online Australian legal materials and is one of the largest providers of worldwide free-access legal content. AustLII provides access to over 1000 databases of Australasian legal materials, hosts more than four million searchable documents and receives over 1,000,000 hits daily from diverse user groups. AustLII's core mission is to improve access to justice through better access to public legal information, encompassing primary materials such as legislation, treaties, and court decisions, as well as secondary materials like law reform reports and law journals.

The **Senior Infrastructure Engineer** is a newly established position that provides technical expertise in implementing, operating and maintaining the infrastructure platforms underpinning AustLII's legal information services and systems. The position also supports AustLII's AI platform development by enabling the infrastructure components required for AI workloads.

The position bridges infrastructure operations and software engineering by enabling secure, efficient and repeatable deployment practices. The position supports the *Data & Content* and *Software Engineering* teams through the provision of platform automation, CI/CD workflows, monitoring, security tooling and backup and recovery systems, with a strong focus on performance and reliability.

The position helps to ensure that AustLII's on-premises infrastructure, servers and hosting platforms, end-user technology support and selected cloud services are secure, scalable, reliable, and operationally sustainable.

The Senior Infrastructure Engineer reports to the Infrastructure Manager and has no direct reports.

2. KEY ACCOUNTABILITIES

- Implement, administer and maintain resilient on-premises and selected cloud infrastructure environments supporting AustLII's public legal information platforms, internal systems, and research infrastructure.
- Support AustLII's AI-enabled services by implementing and maintaining infrastructure, tooling and platform components required for AI workloads, model hosting, vector search and data-intensive processing, ensuring these environments are secure, reliable, scalable and operationally sustainable.
- Develop and maintain CI/CD workflows, deployment scripts, infrastructure as code, configuration management, automated provisioning, and standardised development, testing and production environments that improve developer productivity while maintaining strong security and operational controls.

- Undertake core infrastructure operations and support environment standardisation, including server and hosting platforms, backup and recovery processes, monitoring tools, access administration, and operational tooling across AustLII's infrastructure environments.
- Support and maintain end-user technology environments, including staff computers, peripherals, network connectivity, meeting-room technology, software and related services, and provide practical technical assistance to staff as required.
- Work closely with the *Software Engineering* team to enable secure, efficient and repeatable build, testing, deployment and release practices across AustLII's application and infrastructure environments.
- Implement and maintain secure infrastructure practices and security tooling, including identity and access management, patching, vulnerability remediation, network controls, logging, system hardening and related operational safeguards.
- Maintain platform reliability by monitoring system health, application performance, infrastructure capacity and service availability; proactively identifying risks; and contributing to incident response, root cause analysis and disaster recovery planning for critical systems.
- Prepare and maintain clear technical documentation, operational procedures, architecture notes, runbooks, and knowledge-sharing materials. Provide technical advice on infrastructure options, platform design, deployment approaches, and operational constraints.

In addition to the above, all AustLII team members are expected to undertake the following:

- Perform any other duties as required and appropriate to this position;
- Support colleagues and contribute flexibly across team activities as needed to achieve shared goals;
- Use resources responsibly to deliver efficient outcomes;
- Share knowledge, insights, and lessons learned with peers, ensuring information is well documented and accessible;
- Comply with relevant EEO and WHS regulations.

3. POSITION ATTRIBUTES

Decision-making and Accountability: Exercises expert technical judgement and initiative under broad direction, resolving complex infrastructure, automation, and service delivery issues with limited supervision. Makes technical decisions within agreed objectives and priorities and coordinates with other technical teams where decisions affect shared systems or services.

Impact and Influence: Directly contributes to the reliability, stability, and performance of AustLII's platforms and services. Applies specialist knowledge to analyse requirements, influence solution design, improve processes, and make recommendations that support informed technical decision-making.

Problem solving and Complexity: Plans, prioritises, and delivers work across operational and project priorities. Resolves complex technical issues and deals with problems that may require established practices to be adapted or new approaches to be developed.

Communication and Collaboration: Communicates complex technical information clearly to technical and non-technical stakeholders. Works closely with software developers to translate application and operational requirements into robust automated infrastructure configurations and promotes shared ownership of AustLII's systems and services.

4. QUALIFICATIONS AND EXPERIENCE

- A degree qualification in a relevant technical discipline such as systems engineering with substantial relevant experience, or an equivalent combination of education, training, and experience in systems, infrastructure, DevOps, or related technical fields.
- Demonstrated hands-on experience administering and supporting Linux server environments, on-premise infrastructure, virtualisation, networking, storage, monitoring, backup and related operational systems.

5. KNOWLEDGE AND SKILLS

- Experience supporting hybrid infrastructure environments, including on-premises compute, storage, database and security controls alongside the practical use of selected cloud services.
- Strong professional knowledge of infrastructure requirements for AI-enabled systems, high-volume data platforms, model hosting, vector databases or other performance-sensitive server workloads.
- Demonstrated experience with DevOps practices including CI/CD, automation, infrastructure as code, configuration management, version control, containerisation, and repeatable deployment workflows.
- Strong understanding of security, reliability, performance, monitoring, patching, and operational risk management in production environments.
- High-level analytical and problem-solving skills, with the ability to diagnose complex infrastructure issues, evaluate practical options, and communicate clear recommendations to technical stakeholders.
- Demonstrated ability to collaborate effectively across technical teams, including Software Engineering and Data & Content teams, supported by clear documentation and effective communication of technical information.

6. APPROVALS

Approved by: Managing Director, AustLII
Date: October 2026