# POSITION DESCRIPTION API Architect, Information Security Support

Role summary for potential applicants

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| Advertised Job Title**:** | API Architect, Information Security Support – Consumer Data Standards |
| Reference Number**:** | 58128 |
| Classification**:** | CSOF5 |
| Salary Range: | An attractive remuneration package is negotiable. |
| Location**:** | Melbourne, Sydney or Canberra |
| Tenure: | Specified term of 2 years |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | Australian & NZ Citizens and Permanent Residents only. |
| Functional Area**:** | Research Projects |
| % Client Focus - Internal: | 0% |
| % Client Focus - External: | 70% |
| Reports to the: | Head of Technical Delivery |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| Data61 has been appointed Data Standards Body by the Australian Government to deliver open technical standards that empower Australian consumers to share their data simply and safely with organisations of their choosing, starting in the banking sector. As part of the newly formed Consumer Data Standards team developing and helping organisations to implement open standards, you will work with the Standards and Information Security Leads to design, document and test the standards developed. You will have a particular focus on the information security standards associated with Open Banking, under broad guidance from the information security lead.  At Data61 we bring together exceptional people from research and industry to work at the cutting edge of ICT, data analytics and artificial intelligence research. The Consumer Data Standards group acting as technical advisor to the interim Data Standards Body, sits within the Computational and Software Systems Program at Data61. The Consumer Data Standards Group is set up to develop open standards – beginning in banking, before moving into energy and telecommunications – for a period of three years, with funding from the Australian Treasury.  As API Architect, with a particular focus on providing information security support, you will support the Information Security Lead to model, document and test information security standards, working within the criteria set by the Australian Government in its response to the Open Banking Review. As work on security specifications matures, you will work with other API architects and the Standards and Information Security Lead to manage the development of a sandbox and reference implementations as required.  You will participate in working groups developing the open banking standards, ensuring standards being developed reflect best practice security approaches. You will identify and manage additional technical requirements to support the development of CDR security standards as they arise. You will be a highly skilled communicator, comfortable implementing change as required. You will work quickly and collaboratively with a range of stakeholders, of varying levels of technical capabilities, to help develop usable, useful open banking standards. |

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| **Duties and Key Result Areas:** |
| * Collaborate with the Information Security Lead designing, documenting and testing information security approaches for open banking and broader CDR designated sectors. * Lead on infrastructure and applications to support organisations testing and implementing open banking and other designated sector standards. * Help to refine Information Security specifications, guidance and associated documentation as required, and support Standards Lead developing functional API specifications as required. * Participate in working groups to ensure that standards being developed meet best practice for entities looking to integrate requirements into their services * Provide training and coaching of staff as well as oversight of developers as required * Under the guidance of the Head of Technical Delivery, work collaboratively and openly with internal and external colleagues, working group participants and interested stakeholders to ensure usability of standards and maintain buy-in for implementation * Adhere to the spirit and practice of CSIRO's Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals. * Other duties as directed. |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed*  ***Pre-Requisites:***   * **Qualification/Experience:** Established experience working as an API architect, senior full-stack developer or equivalent relevant experience in computer engineering. * **Communication:** Strong written and oral communication skills including the ability to communicate with a range of stakeholders, and **to explain technical challenges to non-technical audiences.** * **Leadership:** Experience leading group-based projects with diverse stakeholders, working towards a common goal. * **Behaviours: A history of professional and respectful behaviours and attitudes in a collaborative environment.**   ***Essential Criteria:***   1. Demonstrated experience designing and implementing RESTful API standards, with particular focus on APIs requiring user authentication/authorisation and/or knowledge of OAuth 2. Demonstrated experience mapping policy requirements to technical specifications, managing user expectations while delivering workable technical solutions. 3. Demonstrated ability to work to tight deadlines, prioritise tasks effectively and work flexibly to achieve goals 4. **The ability to work effectively as part of a multi-disciplinary, regionally dispersed team, seeking feedback internally and externally and incorporating this into standards development.** 5. A track record establishing and maintaining cross-industry partnerships to achieve tangible results.   **Desirable Criteria:**   1. Good understanding of financial sector systems and products. 2. Experience and skills in banking API standards. 3. Experience in software development.   **As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:   * Excellent science * Inclusion, trust & respect * Health, safety & environment * Delivery on commitments.   **In your application and at interview you will need to demonstrate alignment with these behaviours.**  ***Data61 Values:***  **Great Impact**: We focus our valuable resources on areas where we can lead globally and have large impact for Australia, to aid our future prosperity and independence.  **Mastery**: We are fearless, curious and we improve every day. We strive to excel in research, technology and business, and to work with the best in the world.  **Co-Creation of Value**: Everything we do involves co-creation with our network: team, customers and partners. Generously empowering their success is central to our success.  **Ownership of Results**: We jointly hold ourselves accountable for our actions. We do this via trust and commitment.  **People and their Differences**: We embrace the creativity that comes from the diversity of our people.  **Agility and Flexibility**: We view the changing world as an opportunity. This requires agility and flexibility in everything we do; everything changes, except our constant desire to adapt.  **Tell it Straight, with Respect:**We say what we mean, mean what we say, and do not mislead, obfuscate or spin. We're direct and always respectful.  ***Special requirements:***  To be eligible for this position you must be willing and able to sign non-negotiable individual confidentiality agreement with external project clients, and may be subject to additional security checks. |

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| **Other Information:** |
| **How to Apply:**  Please apply for this position online at <https://jobs.csiro.au/>.  You will need to upload your Cover letter and CV that best demonstrates your ability to meet the requirements of this position (Maximum 2MB). You may also be required to respond to some screening questions.  If you experience difficulties applying online call 1300 984 220 or email [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au) for assistance. Outside Australian business hours please email:  **Referees**:  Please provide contact details of two previous supervisor or academic/professional referees in your resume/CV. We will ask your permission before making contact.  **Contact:**   If after reading the position details above you require more information please contact:  Warren Bradey at [warren.bradey@data61.csiro.au](mailto:warren.bradey@data61.csiro.au).  Please do not email your application directly to Mr Bradey. Applications received via this method may not be considered by the selection panel.  **About CSIRO**  Australia is founding its future on science and innovation. Its national science agency, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation.  Find out more! [www.csiro.au](http://www.csiro.au).  **CSIRO Data61** In today’s data-focused world, there’s no doubt that numbers count. [**Data61**](http://www.data61.csiro.au/) are the largest data innovation group in Australia, a connector that brings together technology innovators, businesses and universities to transform Australian industry and to help solve our greatest challenges. A CSIRO business, we are creating our data-driven future. Find out more! <http://www.data61.csiro.au/>  **Our commitment to you** 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. We emphasise an individual’s growth and development which is supported by interacting and learning from world leading scientists and engineers, who provide the opportunity to challenge, transform and innovate new ideas.  CSIRO’s Data61 is committed to sourcing the brightest and best talent to become part of the Data61 family, which contributes to creating Australia’s data driven future. |