Frontend Engineer

Role summary for potential applicants

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| Advertised Job Title**:** | Frontend Engineer  |
| Reference Number**:** | 31366 |
| Classification | CSOF4 |
| Salary Range: | $78K - $88K plus up to 15.4% superannuation |
| Location**:** | Melbourne, Sydney or Canberra  |
| Tenure: | Indefinite |
| Relocation assistance**:** | Will be provided to the successful candidate within Australia if required |
| Applications are open to: | Australian/New Zealand Citizens and Permanent Residents only |
| **Functional Area:** | Research Projects |
| **% Client Focus - Internal:** | 20% |
| **% Client Focus - External:** | 80% |
| Reports to the: | Group Leader – User Experience and Design |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| Data61 is the largest data innovation group in Australia. Bringing together CSIRO's Productivity team and National ICT Australia (NICTA), we are unrivalled in our intellectual capital and our network with the global technology marketplace. The combined group will bring together approximately 600 research staff working in digital technologies to create benefit for Australia. Data61 will continue to develop Australia's future leaders with its strong 300+ PhD student program in collaboration with our best universities across Australia. As a front end developer in the Engineering & Design program, the successful applicant will work closely with software engineers, researchers and our User Experience team to build protoypes and products from Data61 research and technology for commercial and government customers. At Data61 every project we work on represents some new technology, data or ideas that will benefit the Australian community and economy.You will work alongside User Experience designers, software engineers and PhD students from our partner universities and stakeholders from other companies and government bodies who are collaborating with Data61 on projects including in open data, privacy, cyber security and more. |

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| **Duties and Key Result Areas:** |
| * Contribute to the development of front end software for systems building on Data61’s research as part of Data61 business-focussed project teams as allocated.
* Work collaboratively with project team members and others across Data61 to ensure that project goals and Data61’s goals are achieved.
* Make use of appropriate software development tools and processes for coding efficiency and for ensuring software quality, accessibility compliance, maintainability and reusability.
* Contribute to open source development and participate in the broader development community as appropriate.
* Contribute to Data61’s engineering discipline by improving use of software development tools, practices and culture
* Maintain high ethical and performance standards
* 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:**** **Education/Qualifications:** ABachelor degree in Computer Science or in a related scientific or engineering discipline or equivalent commercial experience in software engineering.
* **Communication:** High-level communication skills, both written and oral, including the ability to anticipate the interests and knowledge level of an audience and present information and feedback accordingly.
* **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment.
* **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks independently.
* **Problem Solving:** Proven ability to investigate underlying issues of complex and ill-defined problems and develop appropriate responses through abstract thinking and using creative solutions.

***Essential criteria***1. A strong, demonstrated understanding of current technical best practice.
2. Demonstrated usability and accessibility principles.
3. Advanced level HTML and CSS.
4. Intermediate level Javascript
5. Applied experience working with WCAG A and AA compliance (minimum)
6. Familiarity with the range of common browser environments including Australian Government standard browsers and devices
7. Experience in using software development tools and frameworks for testing, version control and issue tracking.
8. Demonstrated ability to carry out tasks with minimal supervision and to work effectively in a team environment.

***Desirable criteria***1. Experience with CSS pre and post-processors such as LESS, SASS, PostCSS etc.
2. Experience using Typescript and / or React, with a critical understanding of current Javascript frameworks and developments in this area.
3. Professional experience in bringing projects to market.
4. Experience working with design, business and back end teams.
5. Experience in Amazon Web Services (e.g. EC2, S3, cloudfront etc).

**CSIRO Values:**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to excellent science, Inclusion, trust & respect, Health, safety & environment and Deliver on commitments.  In your application and at interview you will need to demonstrate alignment with these behaviours.Data61 is a values based organisation. You will be expected to demonstrate the following values:* **Hierarchy**: Country, Company, Team, Individual
* **Openness**: Open debate, collaboration, full commitment
* **Learning**: Calculated risks, institutionalise learning, fast cadence
* **Impact**: Tackle hard problems, create the future, focus on outcomes
* **Stewardship**: Lead, make each function and co. stronger over time
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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 will need to upload your cover letter and resume/CV as ONE document, expressing your interest in the role and broadly addressing your suitability. Please provide sufficient relevant information to enable the selection panel to assess your suitability. Please include, with publicly available URLs, at least three examples of your best work (completed website / app projects, personal website, github, codepen etc). Should your application proceeds to the next step, you may be asked to provide additional information.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**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: Melissa Sunteo via email: Melissa.Sunteo@data61.csiro.au or phone: 02 9490 5849. Please do not email your application directly. Applications received via this method will not be considered.**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). **Data61** is the largest data innovation group in Australia. Bringing together our Digital Productivity team and National ICT Australia (NICTA), we are unrivalled in our intellectual capital and our network with the global technology marketplace. Find out more! <http://www.csiro.au/en/Research/D61> |