

**LINK**DIGITAL

+ ONLINE + STRATEGY + DESIGN

TECHNICAL

PRODUCT OWNER

---

**EMAIL:** [info@linkdigital.com.au](mailto:info@linkdigital.com.au)

**PHONE:** 02 6111 2907

LINKDIGITAL

# OVERVIEW

---

Can you help us bring more data into the open by joining our team as a technical product owner? Do you have a passion for open source, Python and full stack development? Do you have what it takes to work remotely as part of a small, global team of people committed to creating meaningful change for their clients, their communities and themselves?

If so, then Link Digital may have a role which is ready to challenge and reward you in equal measure.

As the successful candidate for this role you will be brought up to speed over a three-month probationary period while you assist with, or take over, key products and projects we are contracted to establish, maintain and improve over time. Your clients will primarily include state and national Government agencies both within Australia and abroad. Although, you may also work on projects for corporate and non-profit clients.

Over time you will develop an expert understanding of CKAN, the world's leading open source data portal software. Working with your teammates at Link Digital, and with outside contributors worldwide, you will be driven by the positive impact of your work to constantly seek opportunity for upstream contributions into CKAN core.

Your role is expected to have a focus on Australian projects, so you will either be based in Australia, or will be available to work within Australian business time zones (GMT+8 to +10).

# THE WORK

---

- Communicating with and managing stakeholders to consult on, elaborate or unblock delivery and maintenance tasks via email, Jira and video conference.
- Product ownership of your client's web applications and data portals, as part of a multidisciplinary operations team empowered by agile project delivery methods (designers, developers and DevOps engineers).
- You'll own the outcomes for requirement analysis, story/ backlog development, points estimation, elaboration and budget management.
- You'll be supported by documented processes and procedures, along with a great team.
- Lastly, but most importantly, you will bring your own creativity, problem solving skills and visionary leadership into your work to achieve exceptional outcomes for our clients.

## Interested?

Please share your CV or LinkedIn URL via [angela.hulford@linkdigital.com.au](mailto:angela.hulford@linkdigital.com.au) to learn more about the role.

---

COMMERCIAL-IN-CONFIDENCE

# OPEN DATA WITH LINK DIGITAL

---

Link Digital was founded in 2001 with the guiding ideology that there was a better way to approach web services - a more transparent and open way to create meaningful interactions for society in an information age. From that initial determination, Link Digital has grown its operations covering an entire range of support for open data workflows in CKAN (Comprehensive Knowledge Archive Network). In particular Link Digital's services cover the development of custom CKAN extensions, custom data analysis and curation, cloud hosting of open data infrastructure and consultation/thought leadership surrounding data governance and discoverability. Although today the company is larger in scope and size, Link Digital has maintained its ambitious goals and continues to deliver world class open data workflow solutions to clients all over the world.

Although there are now a number of different options for implementing an open data solution, including others that are also open source, CKAN (Comprehensive Knowledge Archive Network) is a data management system that maintains an entirely open source code base with an unparalleled diversity of extensions, enhancements, and options, ensuring that the greatest range of flexibility and scalability is available to our clients to best fit their specific needs and purposes. Indeed, CKAN has been designed and developed to be robustly modular with a well-defined API (Application Programming Interface) so that it can securely and effectively integrated into any data ecosystem with a minimum amount of development overhead. From the user experience perspective, CKAN's powerful API and UI templating system gives a client the freedom to choose any CMS (Content Management System) to act as a seamless front-end augmentation to CKAN's data handling capabilities, that can also work with any client-specific branding/theming customisations. Finally, with a vibrant community of active developers and coding events like gov hack highlighting new innovations in open data solution engagement, the possibilities for CKAN are near endless and promise to be at the leading edge of tools and applications for the information age.

A key aspect of any Open Data initiative is data federation. In this regard, CKAN is unrivalled in its capability to federate with almost any data source or processing platform, and this federation can happen in one of several ways. The primary method used in CKAN federation is harvesting: which is where the CKAN portal pulls down data from a specified endpoint on a periodic schedule. The CKAN harvester then maps this data into datasets and resources compatible with the metadata schemas deployed on the portal. Harvesters can be configured to set security options and organisational associations. Harvesters already exist for a wide variety of data endpoints, as this is an active part of the CKAN community development effort. Data federation can also happen via syndication, where the CKAN data portal pushes any dataset updates to another CKAN endpoint configured to receive the syndication update. This is particularly useful for when there is an internal IAR (Information Asset Register) setup to facilitate the internal review of datasets before being pushed (syndicated) out to a publicly accessible open data portal. The final option for search federation between CKAN data portals. This is a project Link Digital was the first to develop in the CKAN community, which enables one data portal to merge its own search results with other search federated CKAN data portals. So, a user searching on one data portal can see results from not only local results but also results from, say, a national data portal.

Clicking on any such result will take the user to the dataset page on the external portal. All these options allow Link Digital to offer clients innovative data federation architectures that are optimised to their own data workflows and infrastructure.

In terms of install base, CKAN is the official data management solution for the US, UK, and EU governments, as well as being used for official governmental sites from Canada to the Netherlands, Iran, Saudi Arabia, China, South Africa, and Nepal. CKAN is also used for global organisations like The World Bank. An evolving list of CKAN portals can be found at [Datashades.info](http://Datashades.info), but below is a list of some of the more prominent Open Data portals that use CKAN:

- World Bank: <https://datacatalog.worldbank.org>
- Africa (federated): <https://africaopendata.org>
- Australia: <https://data.gov.au>
- Austria: <https://www.data.gv.at>
- Beijing: <http://www.bjdata.gov.cn>
- Canada: <https://open.canada.ca/en>
- Croatia: <https://data.gov.hr>
- Denmark: <http://www.opendata.dk>
- EU: <https://data.europa.eu/euodp/en/home>, <https://www.europeandataportal.eu/en/>
- Finland: <https://www.opendata.fi/en>
- France: <https://www.data.gouv.fr/fr/>
- Germany: <https://www.govdata.de>
- Hong Kong: <https://data.gov.hk/tc/>
- Hungary: <http://www.opendata.hu>
- Iran: <http://new.iranopendata.org>
- Ireland: <https://data.gov.ie>
- Israel: <https://data.gov.il>
- Malta: <http://www.opendatamalta.com/wp/>
- Nepal: <http://data.opennepal.net>
- The Netherlands: <https://data.overheid.nl>
- New Zealand: <https://data.govt.nz>
- Norway: <http://data.norge.no>
- Romania: <http://data.gov.ro>
- Russia: <https://opengovdata.ru>
- Saudi Arabia: <https://www.saudi.gov.sa/wps/portal/snp/main>
- Singapore: <https://data.gov.sg>
- Slovakia: <http://data.gov.sk/>
- South Korea: <https://www.data.go.kr>
- Sweden: <https://oppnadata.se/>
- Switzerland: <https://opendata.swiss/en/>
- Taiwan: <https://data.gov.tw>
- The Philippines: <https://data.gov.ph>
- US: <https://www.data.gov>
- UK: <https://data.gov.uk>
- South Africa: <http://data.gov.za>