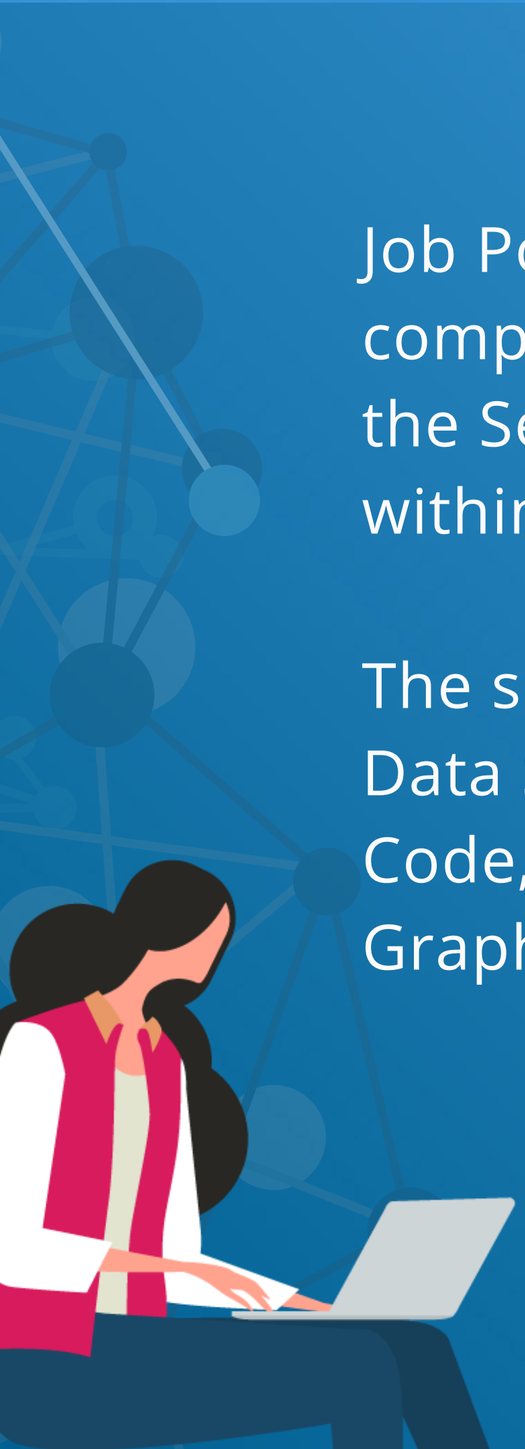
Discovering and Interacting with Knowledge Graphs for Job Postings

OSDS

OpenLink Structured Data Sniffer

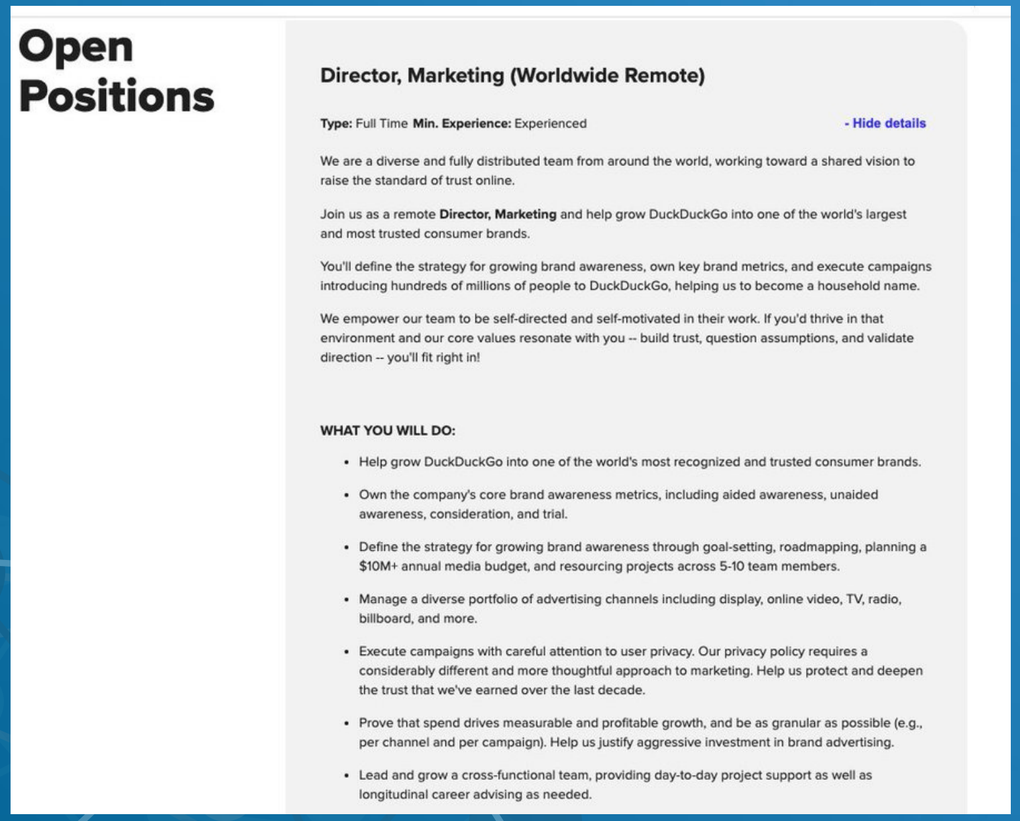


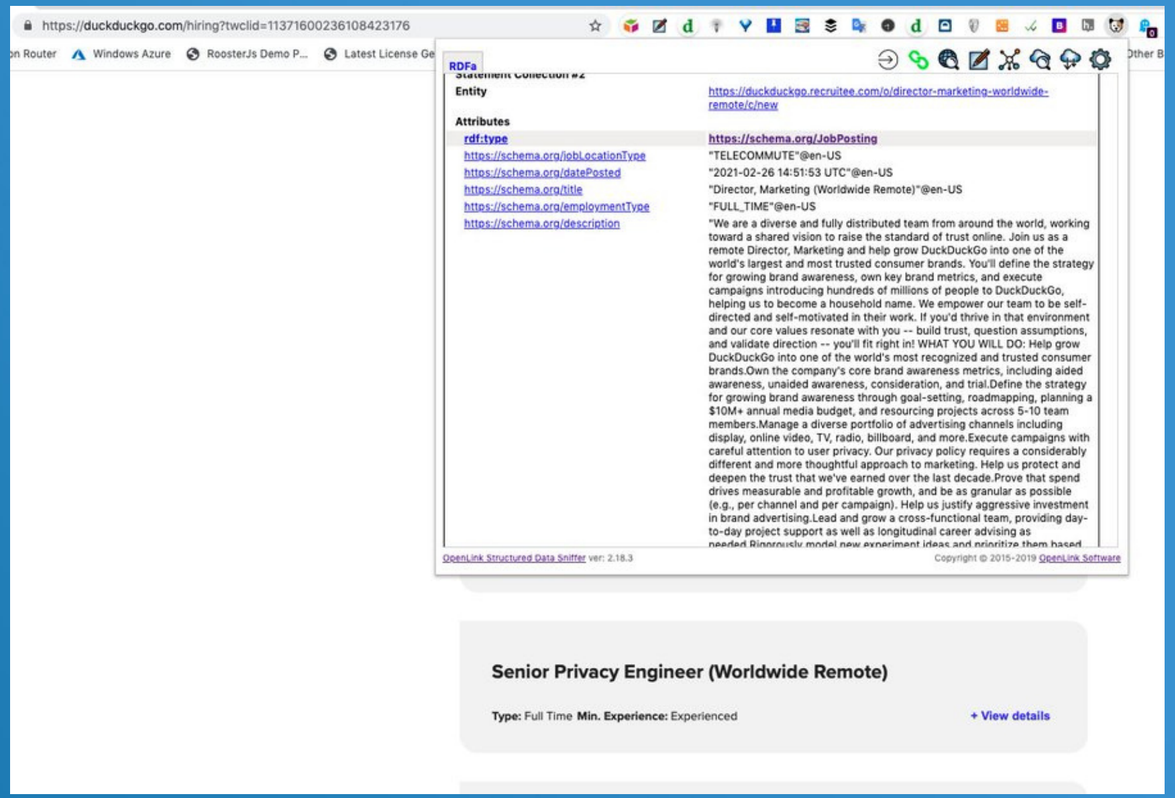
Job Postings are increasingly published using Web Pages comprising Knowledge Graphs. This new HR technique increases the Serendipitous Discovery Quotient (SDQ) of Job Postings within, and across, enterprises.

The slides that follow demonstrate how the OpenLink Structured Data Sniffer (OSDS) Browser Extension provides a powerful, No-Code, solution for easy discovery of Job Posting Knowledge Graphs published via HTML-based Structured Data Islands.

OSDS demo visiting a job posting page on DuckDuckGo

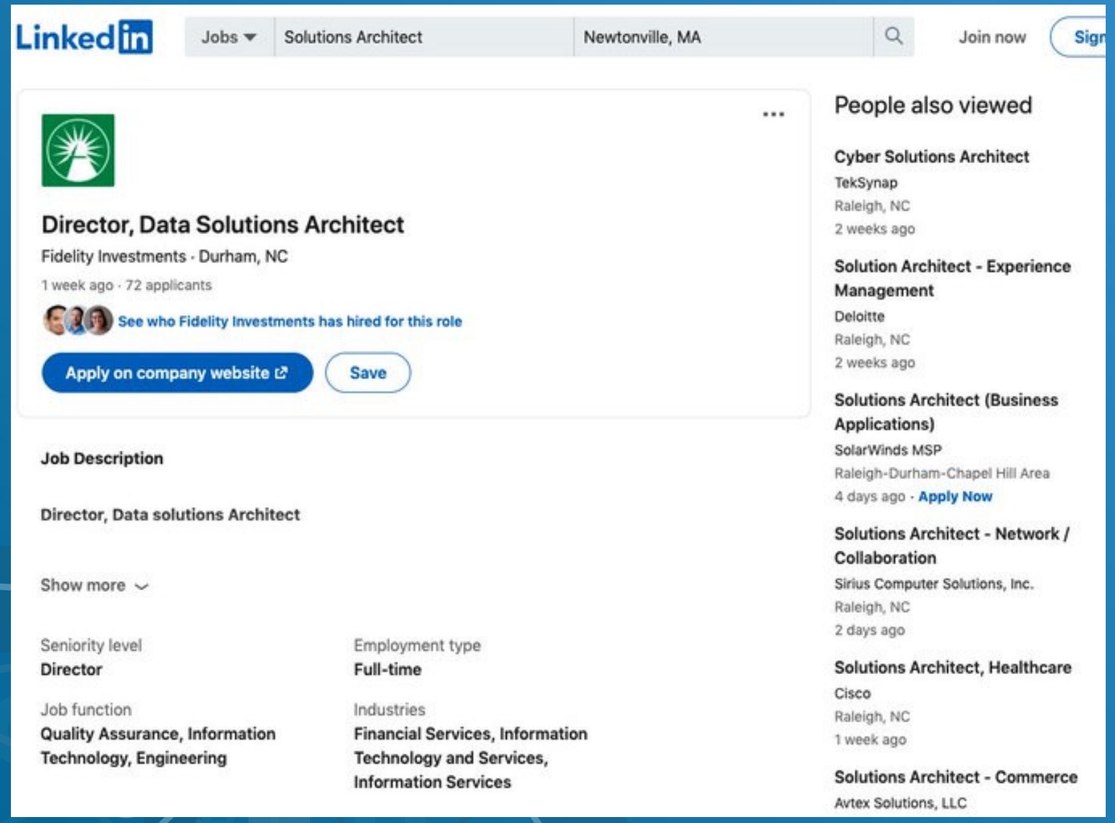
The image on the right shows that DuckDuckGo has made good use of RDF embedded in HTML5 (via RDFa) in its Job Posting pages.

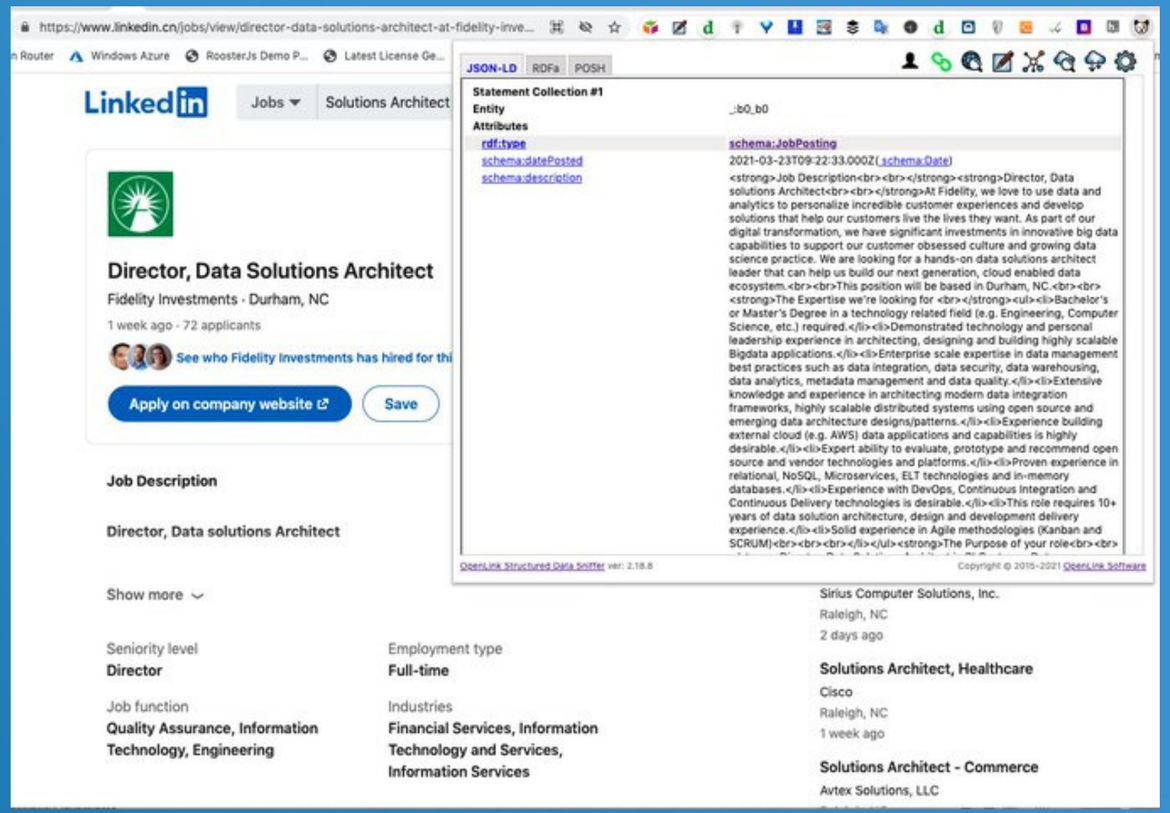




OSDS demo visiting a job posting page on LinkedIn

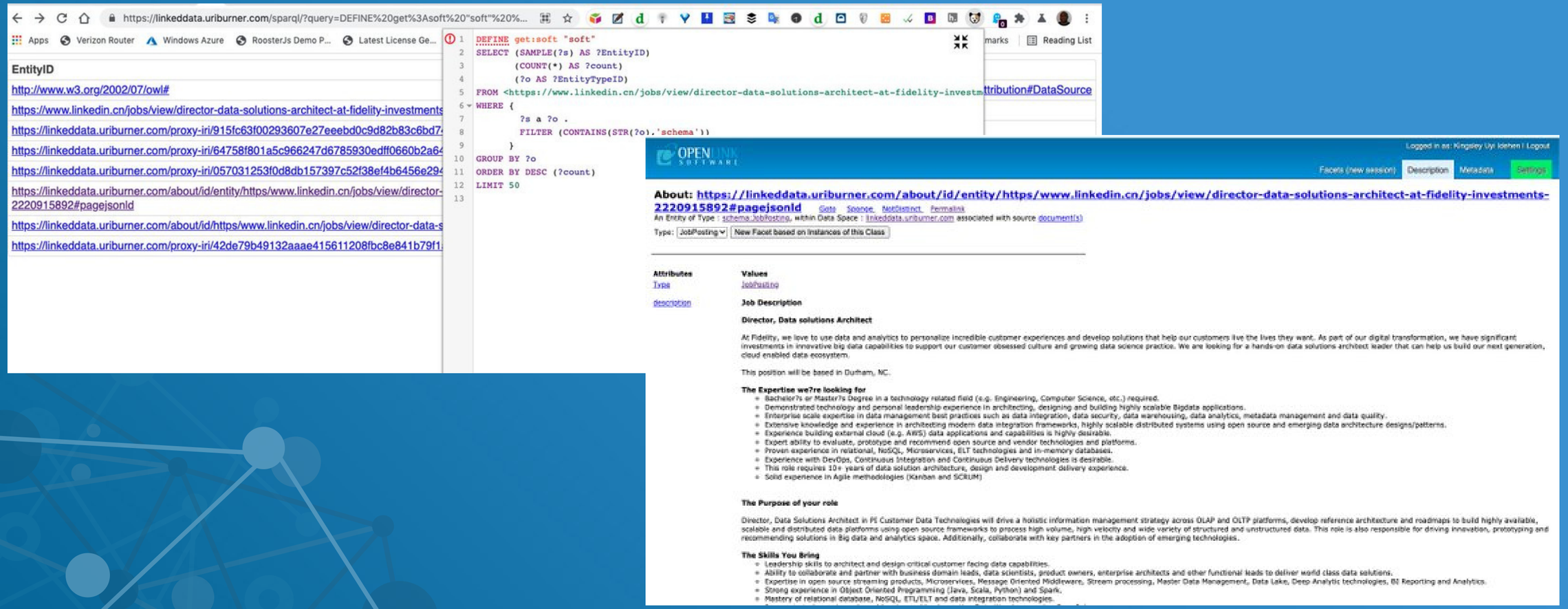
The image on the right shows that LinkedIn is also leveraging RDF (using Schema.Org terms) in its Job Posting pages.





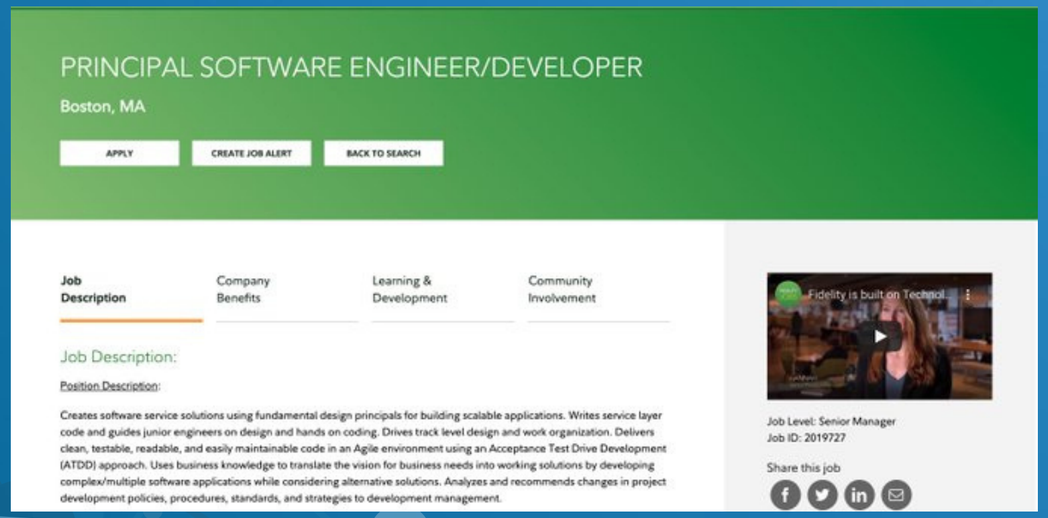
LinkedIn Job Posting Example

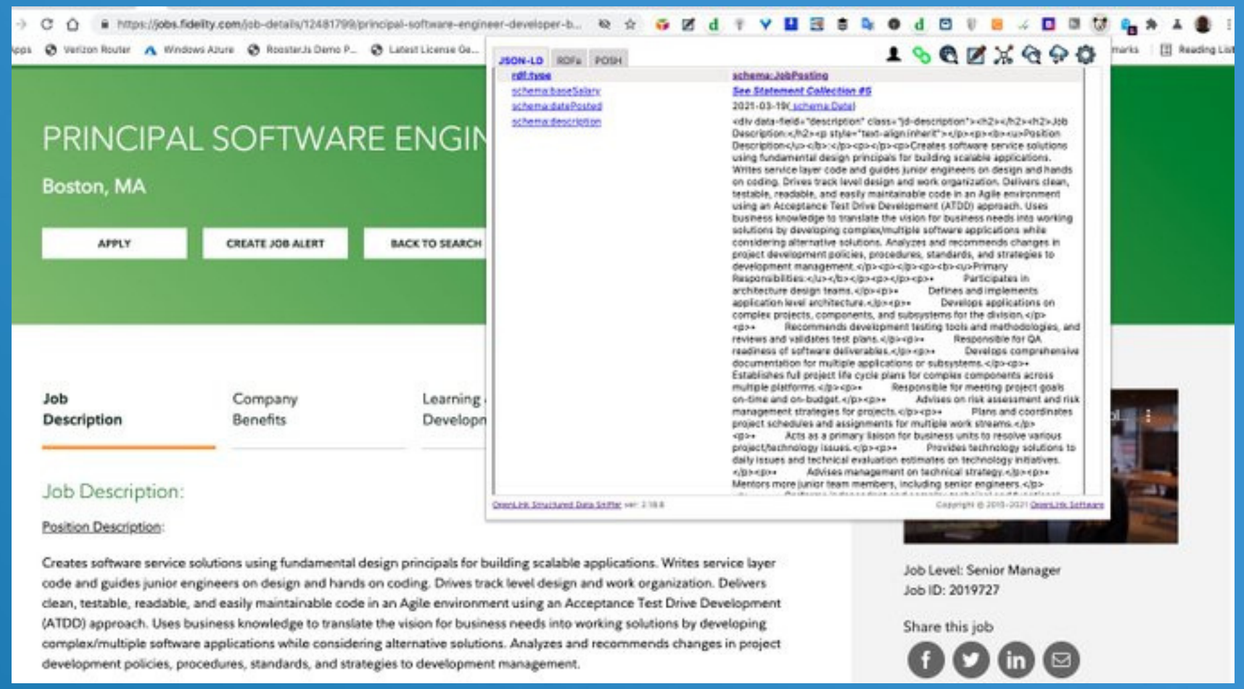
A single mouse-click generates a SPARQL query from the Job Posting page.



Fidelity Job Posting Example (1)

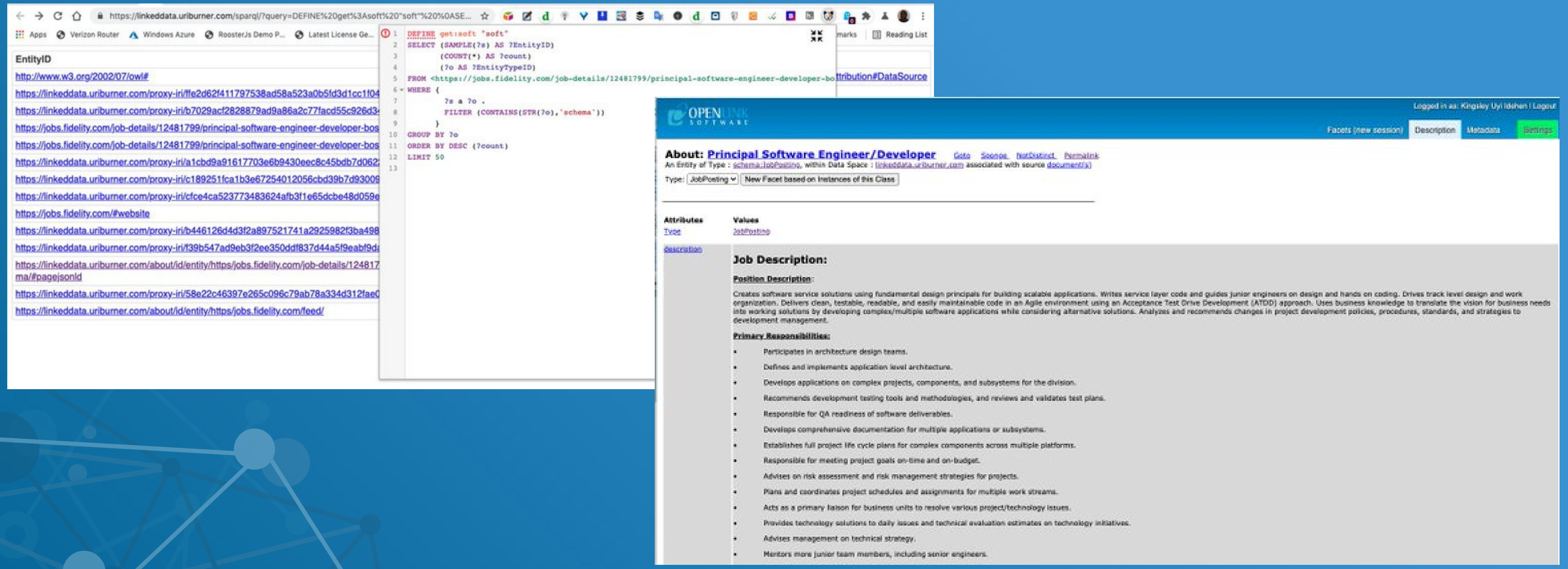
The image on the right shows Fidelity is leveraging RDF embedded in HTML documents to expose their Job Posting Knowledge Graph.





Fidelity Job Posting Example (2)

You can create a SPARQL query against the Job Posting page.



Conclusion

As you can see, with one click on OSDS, you have an exploratory page with links into a Knowledge Graph constructed from Hyperlinks using Linked Data principles.

Note:

These Hyperlinks are created by the Virtuoso Sponger, enabled as part of our URIBurner Service. In other words, this is just another unique feature of Virtuoso !

How Do I Get Going?

Simply install the OSDS extension in your browser and then visit a page of interest. Upon page display, the OSDS icon will be visually activated, indicating metadata discovery. Once the OSDS icon is clicked, you will be presented with a visualization of transformed metadata.

OSDS Download options:

- Chrome Store
- Mozilla FireFox Store
- GitHub
- Safari - available to download from the apple app store

ADDITIONAL INFORMATION

- OSDS Home Page
- Virtuoso Home Page
- OpenLink Software Home Page

OSDS

OpenLink Structured Data Sniffer