semantic arts

Ontologist

Full-time | Remote | Exempt

As a Semantic Arts ontologist, you will play a vital role in untangling the complexity of enterprise information systems and advancing our vision of a world where information is widely understood and readily and securely accessible. Join some of the best in the business to tackle fascinating challenges for leading organizations around the world!

Working alongside other ontology consultants and semantic developers, you will collaborate with subject matter experts, build on existing design artifacts, and develop formal semantic models that capture complex business concepts and relationships. Our clients span a wide range of industries, including life sciences, pharmaceuticals, financial services, manufacturing, cybersecurity, and the nonprofit sector. We foster a collaborative team culture that values individual contributions at every level.

Job Duties

- Develop and extend enterprise ontologies in OWL and RDF, drawing on existing design artifacts and collaboration with client subject matter experts.
- Translate informal business concepts into formal semantic representations.
- Load and integrate client data and write SPARQL queries to answer competency questions.
- Collaborate with other consultants, developers, and business experts.
- Communicate effectively in writing and in client meetings, including presenting to senior technical and business audiences and contributing to project documentation.
- Depending on experience and seniority, may assume project management responsibility for client engagements.

Employees must be able to perform these essential functions of the position, with reasonable accommodation if necessary.

Requirements

- A passion for information and knowledge modeling
- Training in ontology design and development through formal education or equivalent professional experience
- Experience in data modeling or related analytical disciplines
- Hands-on experience with OWL, RDF(S), and SPARQL
- Strong interpersonal and communication skills, with experience working with clients, stakeholders, and internal teams
- Enthusiasm for learning new domains of knowledge in a fast-paced environment

- Bachelor’s degree in computer science, information systems, knowledge management, engineering, philosophy, formal logic, business, or another relevant field
- Willingness to travel for onsite client workshops, typically up to three days every three weeks
- Must be legally authorized to work in the United States. Semantic Arts is not currently able to provide immigration sponsorship for this position.

Preferred Qualifications

- Programming experience, particularly with applications that interact with triplestores
- An advanced degree in a relevant field

Compensation & Benefits

Compensation for this position varies based on experience, billable utilization, and other factors. Entry-level ontologists earn a minimum of $70,000 USD annually, with opportunities for rapid growth. Our consultants earn an average of approximately $150,000 annually, with about one-third earning over $175,000. Additional details about our compensation structure will be shared during the interview process.

We offer a comprehensive benefits package, including:

- Professional development fund to build skills, attend conferences, and advance your career
- Generous leave policy
- Medical, dental, vision, and disability benefits
- 401(k) retirement plan with company match
- Student loan reimbursement
- Annual bonus opportunities
- Equipment purchase assistance
- Employee assistance program

Working Conditions

This is a primarily remote role with some travel. You will generally work standard business hours in your home time zone, with adjustments as needed to accommodate company and client meetings across time zones.

About Us

Founded in 2000, Semantic Arts pioneered the concept of data-centric architecture and has been at the forefront of advancing its principles through innovative client projects and thought leadership ever since. We've completed over 100 client engagements across a wide range of industries, combining conceptual modeling with hands-on knowledge graph implementation to tackle complex information challenges.

What truly sets us apart is our people. We have assembled one of the largest teams of professionals dedicated to ontology development and semantic technology worldwide, bringing together deep expertise, intellectual curiosity, and a shared passion for making information more meaningful and accessible. For those eager to develop their skills, tackle challenging problems,

and learn from some of the best in the field, Semantic Arts offers an exceptional opportunity to grow.

Our work has earned industry recognition, including the Mercury 100 (2024), Colorado Companies to Watch (2022), Top 30 Innovators of the Year (2022), 30 Innovators to Watch (2021), and 30 Best Small Companies to Watch (2020).

How to Apply

Interested? Please visit our Careers Page for more information, or email hr@semanticarts.com with your resume.

Semantic Arts is an Equal Opportunity Employer. We respect and seek to empower each individual and support the diverse cultures, perspectives, skills, and experiences within our workforce. We support an inclusive workplace where employees excel based on merit, qualifications, experience, ability, and job performance.

Semantic Arts is committed to the full inclusion of all qualified individuals. In keeping with our commitment, we will take steps to assure that people with disabilities are provided reasonable accommodations. Accordingly, if a reasonable accommodation is required to fully participate in the job application or interview process, to perform the essential duties of the position, and/or to receive all other benefits and privileges of employment, please contact our HR representative at hr@semanticarts.com.