

## **Python Software Developer – Semantic Technology**

Developing cutting edge, semantic software for the life science and healthcare industry

**Keywords:** Python, Django, Semantic Technology, REST, ontologies, ElasticSearch, Git / GitHub, Pharma, Life Sciences, Healthcare, Machine learning

Job Reference: SCIPSD18

Job Title: Software Developer – Semantic Technology

Location: Cambridge, UK

Salary: £ Competitive dependent on experience

Benefits: Healthcare, Pension, Share Eligibility, Bonus plan, 25 days' annual leave

Hours: 37.5 hours (Monday – Friday)

### **The Company**

SciBite is a rapidly growing global semantic technology company focused on the healthcare and life science market. Founded by an experienced team of scientists, engineers and commercial management, our award winning, innovative platform transforms textual content into rich, connected data used for business intelligence, machine learning and search. SciBite's client base covers the majority of the world's major pharmaceutical companies and our technology has won numerous global award for innovation and achievement. Our home is the world-renowned Genome Campus in Hinxton, Cambridge UK provides world-class facilities and opportunities to interact with researchers and companies involved in emerging informatics that makes a real difference to people's lives.

### **What Makes Us Different**

Joining us means that as well as a highly competitive salary and fantastic benefits package, but it's also an opportunity to work somewhere with a different philosophy. At our heart, we're excited by the possibilities for our technology and embrace new use-cases and ideas. We don't stick to a rigid architecture but encourage the use of the right technology for the right problem, looking to all our developers for input and inspiration. We don't suffer from politics and hierarchies, you'll interact with everyone from management to marketing every day, and have the opportunity to have your voice heard. We don't pigeon hole our team members, but let them explore new areas and research our products of the future. Above all, you'll be directly shaping the cutting edge of informatics and drug discovery with some of the world's major pharma and life science companies. The working environment is relaxed and informal and you'll be encouraged to take ownership of key projects and explore ideas and technologies.

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## **The Role**

We're known for solving the problems other solutions can't and we're looking for developers who thrive when faced with new challenges and opportunities. You'll be creating or enriching a range of components for our semantic platform. Often working directly with our data-science team and customers to refine requirements and get real-time user feedback. We're not a software shop, but a team that engages in collaborative R&D with our customers to devise new solutions to problems they're facing. The main duties of this role include:

- Developing new components for our semantic technology platform (including the Kusp tool)
- Developing rapid prototypes to test potential approaches in areas such as text mining, machine learning, graph technology, or others suited to your skill set
- Working with customers and partners to integrate multiple APIs in data workflows
- Testing and documenting the above
- Working to deliver exceptional customer support

## **Qualifications/Skills/Experience**

The ideal candidate for this role will have:

- Experience of deployment of Python solutions in a production environment, packaged deployment and use of frameworks such as Django, Flask, etc.
- Familiarity with common forms of data such as XML and JSON and experience processing such data
- The ability to design and build unit-tested, modular code and deploy and run it on Linux servers locally or in the cloud
- Experience of designing or using RESTful web services and deployment of data across the network
- An appreciation of performance and memory management and multithreading; key bottlenecks, solutions and alternatives
- An outside interest in coding. Track record on GitHub, Stack Overflow, blogs or other personal projects would be very useful.

Additionally, any experience in the following would be advantageous:

- Lucene based search technologies such as ElasticSearch
  - Javascript and front-end experience using a current framework (e.g. JQuery, Angular.js)
  - An interest in Machine Learning / AI or some experience with common toolkits
  - Docker / Git
  - Querying databases using SQL
  - Semantic representations such as RDF or graph data
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Knowledge of semantic technology is not a requirement, however a willingness to learn about the approaches and technology in this area is required.

**Application Process**

To apply for this position please send a current CV and cover letter quoting the reference SCIPSD18 to [careers@scibite.com](mailto:careers@scibite.com).

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