University of Sunderland

Software Engineer - Atorus Project

KTP Associate - University of Sunderland & Atorus Consult Ltd

General Information

Job Title:	Software Engineer - KTP Associate
Salary:	£25,000 - £31,148
Faculty:	Engineering and Business
Department:	Enterprise and Innovation

The post is for a "KTP Associate", which is a well-established and very well supported position funded jointly by Innovate UK and the company through the Knowledge Transfer Partnerships (KTP) Programme scheme. The overall aim of the KTP scheme is to support UK industry to improve their competitiveness, productivity and performance, where the KTP Associate post plays a key role in achieving that aim.

Main Purpose

Atorus is a consulting firm where project and cost management expertise, industry knowledge and management insight converge to enable collaboration with their clients to deliver winning results. They engage at 3 levels: People, Projects and Business, to provide strategic, management and operational support and development. Their core business is the delivery of professional project and cost management services into the Construction market, commissioned by both public and private sector.

They also deliver management development training to professional firms overlaying technical expertise with people and business management skills. Finally, they have developed a boutique management consultancy service tailored to the construction sector.

The strategic aim for Atorus is to "make smarter work" by rebalancing service delivery to a knowledge bias.

The "Atorus Project" marks the beginning of an exciting and challenging new journey for Atorus. Atorus' experience shows that construction projects present an aggregate of challenges that result in wasted effort, time and resource. This presents a clear business opportunity to enhance productivity, competitiveness and grow market share through innovation. Via a combination of digital revolution and market demand for increased transparency, efficiency and innovation, Atorus is looking to create tools that deliver the change required in their industry. The Company's strategic aims will be met through the "Atorus Project" providing tools that improve projects via a bespoke Multi Criterion Decision Framework.

The KTP Associate will work closely with the Company's Managing Directors in order to understand current processes and to optimise transition to the new business model. A knowledge repository system will be created to support learning and innovation.

Main Duties & Responsibilities

1. Complete the induction and relevant training.
2. Conduct daily work in accordance with the knowledge base, company and KTP handbooks and framework.
3. Comply with the knowledge base and company Health and safety policies.
4. Liaising with Company's staff of the company to understand and analyse operations and processes of the current business model and market requirements and opportunities.
5. Familiarisation at Atorus, gaining understanding of construction project management and data.
6. Research into intelligent tools, services and frameworks exploring emerging approaches for data interrogation and exploitation.
7. Product Specification: determining where Atorus' knowledge can add value for clients in the construction project management process.
8. Product Technical Design and Development.
9. Knowledge discovery in the final product: deriving knowledge from data through intelligent exploration, manipulation and interrogation of Atorus' data sets.
10. Embed learning into knowledge base and company.
11. Complete a final project report and present project outcomes in relevant conferences or industry events.
12. Liaise with the University of Sunderland team in order to co-ordinate side projects to be undertaken within the two faculties.

This document outlines the duties required at the current time to indicate the level of responsibility, It is not a comprehensive or exhaustive list and may vary to include other reasonable requests as directed by University management which do not change the general character of the job or the level of responsibility entailed.

Other information

The salary is circa £25,000 to £31,148 depending upon qualifications and experience. The KTP Associate will be employed by the University but the KTP Associate will be located at Atorus facilities in Durham. This post is a fixed-term 2-year contract funded through a Knowledge Transfer Partnerships.