



Job Description

Position:	Senior Software Engineer (Python)
Directly reports to:	Software Team Leader
Reports (dotted-line) to:	
Direct reports:	None
Regularly interacts with:	Internal <ul style="list-style-type: none">• Software Team Lead• Project Manager• Software Team Members• Hardware Team Members• Test Team Members• Lead Technical Architect External <ul style="list-style-type: none">• Contractors• Software consultancies
Primary location:	Milton, Cambridge
Travel requirements:	
Role description / primary responsibilities:	<ul style="list-style-type: none">• Design, develop and deliver high quality, secure, scalable, high availability enterprise systems, primarily developed in Python.• Coordinate development activities with Software Team Lead, Project Manager and other Software Team Members.• Proactively participate in Cyan's Agile process.• Undertake significant hands-on software development in Python.
Experience and skills required:	Essential Skills and Experience <ul style="list-style-type: none">• Significant experience working as a Python developer• Fluency in the Python Language + Standard libraries• Ability to break the project down into a list of tasks and provide estimates.

	<ul style="list-style-type: none"> • Experience working in an Agile environment. • Experience of working on and targeting Linux (Ubuntu) platform. <p>Desirable Skills and Experience</p> <ul style="list-style-type: none"> • Familiar with gevent, pytest, SQLAlchemy, RabbitMq, PostgreSQL, Protocol Buffers. • Familiar with Build Systems and Continuous Integration. • Knowledge and practice of other programming and scripting languages. e.g. C, JavaScript etc. • Knowledgeable about common internet protocols, standards, architectures and patterns. e.g. TCP/IP, SSL/TLS/X.509, REST, RPC, messaging. • Understanding of scalability issues. • Experience of “Internet of Things” and Smart Cities. • Experience using relational and non-relational databases, and knowledge of their comparative strengths, differences and weaknesses. • Understanding of DevOps and practices. • Experience of using Docker as a containerisation.
Personal attributes:	<ul style="list-style-type: none"> • Highly motivated self-starter. • Excellent communication, collaboration and organisational skills. • Strong long term commitment to making the company a success. • Able to identify risks and estimate work. • Able to time-box development and spikes, effectively trading off time, quality and scope.
Qualifications:	<ul style="list-style-type: none"> • Required: Good degree in technical subject (computer science, engineering or natural sciences). • Preferred: Higher degree in technical subject (computer science, engineering or natural sciences).
Benefits:	<ul style="list-style-type: none"> • Share options • 25 days annual leave • Private health insurance plan (currently BUPA) • Pension scheme with employer contributions • Life cover (3x salary)