



Job Description

Position:	Software Engineer (Python)
Directly reports to:	Software Team Leader
Reports (dotted-line) to:	
Direct reports:	None
Regularly interacts with:	<p>Internal</p> <ul style="list-style-type: none"> • Software Team Lead • Project Manager • Software Team Members • Hardware Team Members • Test Team Members • Lead Technical Architect <p>External</p> <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:	<p>Essential Skills and Experience</p> <ul style="list-style-type: none"> • Minimum 5 years delivering software systems within a commercial environment • Minimum 4 years Python development experience Python programmer.

	<ul style="list-style-type: none"> • Minimum 2 years' experience working as part of a successful agile software team. <p>Desirable Skills and Experience</p> <ul style="list-style-type: none"> • Knowledge and practice of many other programming and scripting languages. e.g. C, C++, JavaScript, Perl, Bash, etc. • Knowledgeable about common internet protocols, standards, architectures and patterns. e.g. TCP/IP, SSL/TLS/X.509, REST, RPC, messaging. • Experience of "Internet of Things" and Smart Cities • Versed in internet technologies commonly used in construction of web application UIs. e.g. HTTP, HTML, CSS, AngularJS, AJAX, JSON. • Experience of ISM band radio. e.g. ZigBee, IEEE 802.15.4, 6LoWPAN, WiFi, Bluetooth. • Significant experience with using relational and non-relational databases, and knowledge of their comparative strengths, differences and weaknesses. • Experience of DevOps culture and practices.
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)