

QC Ware - June 2019



**Position:** Software engineer

**Location:** Palo Alto

**Who We Are:** QC Ware ([www.qcware.com](http://www.qcware.com)) develops software and applications that run on quantum computers. Our mission is to allow classically-trained users to use quantum computing to solve hard problems in optimization, simulation and machine learning. We have a world-class team with expertise in quantum algorithms, computer science and physics. The company's investors include Airbus Ventures, Citigroup and Goldman Sachs. We have also been awarded grants from the National Science Foundation and other government agencies. QC Ware has offices in Palo Alto and Paris.

**Role:**

The candidate will be involved in the design, development and maintenance of QC Ware's enterprise cloud application.

**Key Responsibilities:**

- Design, develop, and maintain QC Ware's flagship product - a platform that allows end-users with no prior knowledge of Quantum computing run computations on real-world quantum hardware and simulators.
- Develop infrastructure to automate deployment and testing of the different parts of our software stack.
- Help design and build out the QC Ware python API that allows end-users to consume our services.
- Work with the Quantum Engineering team to develop new functionality by studying information needs; conferring with users; studying systems flow, data usage, and work processes.

**Key Skills:**

Software Design & Engineering, Strong Python Fundamentals, Writing Tests, Writing Documentation, Distributed Systems & "Cloud" Computing, Relational Databases (SQL), Web Applications, Continuous Development/Integration, Data Security & Privacy

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**Qualifications:** The ideal candidate will have the following qualifications.

### Required:

- BS degree from a world-class institution in computer science, electrical engineering, physics, or mathematics.
- Proficiency in Python, SQL, and AWS
- At least 2 years of full-time, professional software engineering experience.

### Preferred:

- Experience working on large-scale cloud-services software.
- Strong physics background. Someone who has the ability and desire to learn about quantum computing.

### Our Stack:

QC Ware uses the following technologies. It would be excellent to have a passing familiarity with:

- Python, Jupyter Notebooks, flask, sqlalchemy, pytest
- Vue.js, Node, npm
- AWS, Terraform, Kubernetes
- PostgreSQL

### Compensation:

- Attractive cash and stock option package
- Excellent health, vision and dental coverage

### Contact:

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