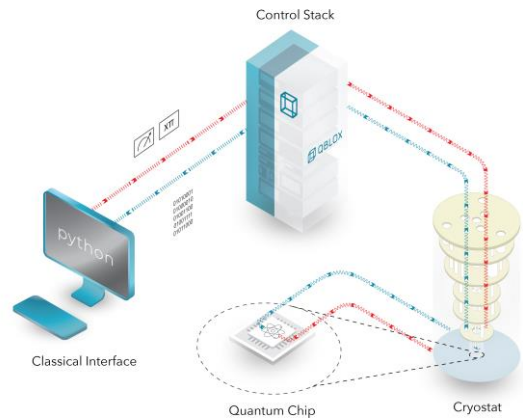


# WANT TO BUILD A QUANTUM COMPUTER?

## Vacancy: Digital Design Engineer

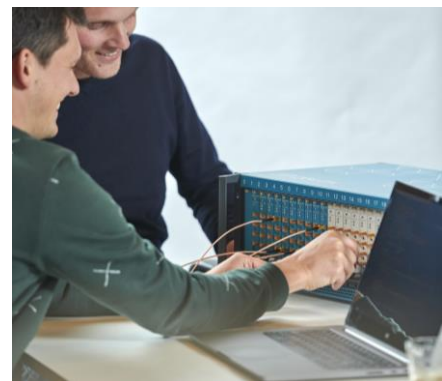
Are you a software/FPGA engineer intrigued by the possibilities of quantum computing? Read on!



### What you will do

Qblox is looking for a software/FPGA engineer to help us build a control stack for an industrial-scale quantum computer. These quantum control stacks generate the analog signals needed for the control and readout of quantum bits. We use FPGA's and high-speed data converters to generate the microwave pulses needed to control and measure quantum bits. We are looking for someone who can help us with development and implementation of these pulse generators. More specifically, you will help us with the implementation and design of our in-house developed *quantum instruction set architecture*. Furthermore, you will design and implement our digital signal chain in which the pulses are generated and modified. You are required to have multiple years of experience working in a professional R&D environment using:

- VHDL
- (System)Verilog
- UVM
- DSP
- C/C++
- Python
- Linux



### What we are building

Qblox is a young and fast-growing company with the mission to enable the quantum revolution. We develop next-generation quantum control stacks that can be used to interface with a variety of quantum processors. Our products are used by quantum computer integrators around the world, both academic groups and large IT firms. We are a spin-off from QuTech (a collaboration between Delft University of Technology and TNO) based in Delft, a historical city in The Netherlands located between The Hague and Rotterdam. You will join a small but fast-growing team of highly skilled and motivated engineers. We are shaping the future and have a lot of fun while doing so!

Interested? Contact us: [hello@qblox.com](mailto:hello@qblox.com)