Silvano Cerza — Software Engineer   Perugia, Italy

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I enjoy working on different platforms and technologies, but most of my time is spent writing desktop or mobile applications with Qt, a C++ framework. I also worked on some web applications in Django and use Python whenever C++ is not the best fit for the job. Mostly for personal projects I've also worked with the frontend stack throughout the years. I'm never scared to tackle a new task using unknown languages or technology, in fact it's something that I aim for since I believe it's the best way to learn something new.

Work Experience

Evonove   Feb 2015 – May 2019
🌐 evonove.it

I work mostly on desktop and mobile applications in C++ using the Qt framework; worked on web applications in Python based on the Django framework. On occasion I also train newcomers and interns on Git, C++ and Python. I've also had the chance of managing small projects.

`C++` `Qt` `QML` `Qt Quick` `Python` `Django`

Molecular Horizon   Jun 2019 – Present
🌐 molhorizon.it

I work on several cheminformatics projects, I focus mainly on GUI development in C++ using the Qt framework, but also had the chance to contribute with the scientific team to the core components of the products.

`C++` `Qt` `QML` `Qt Quick`

Work Projects

Kibitzer
🌐 moldiscovery.com/software/moka/

Kibitzer is a desktop app to train computational models used to predict molecules' pKa values.
I integrated several C and C++ libraries in a multi threaded model to parallelize their execution to speed up the statistical computation for a better user experience.

`C` `C++` `Qt` `QML` `Qt Quick`

Kinetica

Desktop application written for sport trainers that receives data from sensors attached to athlete's body to show realtime informations of current exercise and movements mapped to 3D model.
I built the UI and integrated the OGRE game engine into QML to show the 3D human model.

`C++` `Qt` `QML` `Qt Quick` `OGRE 3D`

Qnite
🐙 /evonove/qnite/

An open source library to create charts declaratively in QML.
I contributed by adding several features like charts zoom and bug fixing.

`C++` `Qt` `QML` `Qt Quick`

MKM SDK
🐙 /evonove/mkm-sdk/

An open source SDK for Magic Card Market, uses reflection to dinamically resolve the API endpoints.

`Python` `OAuth`

King Maker
🐙 /evonove/king-maker/

A script to scrape a Kickstarter project's comments, creates a ranking of users that contributed the most.

`Python` `Selenium` `lxml`

Babel Tower
🐙 /evonove/babel-tower/

A script to edit Qt translation files from a given CSV containing a set of various languages translations.

`Python` `lxml`

Personal Projects

Cute Code Accessor
 /silvanocerza/CuteCodeAccess

Cute Code Accessor is a plugin for Unreal Engine that enables the use of Qt Creator as its IDE.

`C++` `Unreal Engine`

Bank Reader
 /silvanocerza/bank-reader

A scraper for my personal bank account, used to monitor how I spend my money.

`Python` `Django` `Scrapy` `Lua` `Vue.js`

Datadog Agent
 /DataDog/datadog-agent

Datadog Agent is an open source monitoring tool.
I contributed to Six, a C++ wrapper around the CPython API supporting multiple versions of Python that can be used by other languages like Go.

`C++` `C` `CPython` `Go`

Spectrum
 /silvanocerza/spectrum

An highly customizable Hugo theme based on the CSS framework Bulma.

`Sass` `CSS` `Bulma` `Hugo`

This resume
 /silvanocerza/resume

This resume has been completely written in HTML and Scss. Uses a small Dart script and dart-sass to compile and minimize Scss sources.

`HTML` `Dart` `Sass` `CSS`