

L. PEUCH - FOSS Software developer & coordinator

 github.com/psycojoker  cortex@worlddomination.be  Brussels, Belgium  35 years old

- FOSS fullstack developer starting with python in 2008 then with Django before the 1.0 release accumulating more than **18.000 contributions on Github (including 15.000 commits)**. Experience and exploration of **various other programming languages and frameworks**.
- Rich experience in **different environments**: startups, remote developer, nonprofit coordinator, **project leader**, solo researcher, FOSS contributor and **10 years of experience in nonprofit organizations**.
- Pragmatic approach **focused on the result** and what will make a difference, using code quality and project organization as a mean **for long term success**. Special interest in analysis between the different components and users bases to produce **cross-domain solutions and improvements**.

SKILLS

Python	since 2008, Django (before 1.0), Flask/sanic/quart, asyncio, web parsing, Jupyter, Pandas, pytest, peewee, SQLAlchemy, RedBaron, Celery, Lektor, CubicWeb, tox, celery
Web Development	full stack, jquery, angularv1, vuejs, elm, backbone, websocket, html, css, bootstrap GitLab (CI), Ruby, Lua, shell, Haskell, Erlang, C/C++, SQL (PostgreSQL, SQLite), MongoDB, RabbitMQ, Redis, Git, Mercurial, Xonsh
Sysadmin	Debian, Ubuntu, YunoHost, web application stack, nginx, apache, zabbix, let's encrypt, LXC, vagrant, libvirt, VirtualBox, graphite, prometheus
Methodologies	TDD, Agile, XP, FOSS, collective, remote
Language	French (native), English (fluent)

EXPERIENCE

Today 2019	Python software developer Consultant, LOGILAB - logilab.org <i>Web semantic data oriented scientific python programming company</i> <ul style="list-style-type: none">> Core developer of the main framework (CubicWeb) and its dependencies.> Reorganization of the developpement process of the internal tooling.> Automation of the refactoring, upgrade, supervision and maintaince of the whole codebase.> Heavy use of GitLab CI to modernize and automate the whole developpement experience of the job. <p>python framework building gitlab CI web custom code refactoring tooling project management mercurial</p>
Today 2019	Python software developer Consultant, VARIOUS CLIENTS - <i>Various python and django clients projects</i> <ul style="list-style-type: none">> Ponctual maintaince of a Belgian newspaper website (Medor).> Various small django/python jobs for friends. <p>python django web frontend celery</p>
2021-ish 2015	Core developer and project organizer, YUNOHOST - yunohost.org <i>Debian based Linux distribution aimed at facilitating server administration.</i> <ul style="list-style-type: none">> Core developer, business code, internal framework, various components, project coordination, infrastructure, promotion and support.> Focus on the whole project quality, stability and implementing future-proof features (migration framework). Special attention to user UX and working and analyzing their feedback to make YunoHost more suited and easy to use for our various user bases.> Cross-team approach to bring in and out of the core and the infrastructure new developments that will serve the core, apps and translations contributors.> Co-design of the collective oriented new organization of the project.> Wrote several tooling includign a fully async CI tool using asyncio (sanic), websockets and vuejs. <p>sysadmin python distribution lua-nginx vue-js collective self-hosting remote</p>

2019 | Lead core developer & researcher, BARON & REDBARON - redbaron.readthedocs.io
2014 | *high level bottom up custom refactoring python library for custom refactoring tooling and scripts*

- > Research, **design and implementation of a new kind of lossless syntax tree** (FST) close to a CST.
- > Design and implementation of an intuitive API to query and modify code, of several new abstractions and algorithms to make code analysis and modification an accessible task.
- > **Used in a tool chain that communicates with satellites and by engineers from various top leading tech companies (Google, Facebook, Yandex, Amazon, core python, ...).**

python AST syntax tree refactoring parsing research

2017 | Coordination, distribution, development, project management, BRIQUE INTERNET - internetcu.be
Oct 2014 | *Out of the box self-hosting small home server and VPN gateway based on FFDN infrastructure and YunoHost distribution*

- > **Co-initiator of the project, Team coordination** in a free software context, building tools, deployment on field, user support and promotion.

ffdn yunohost vpn self-hosting distribution coordination

Apr 2017 | Coach, developer, IMAM - github.com/RobertJohnston/IMAM
2016 | *Data gathering using SMS flows, cleaning and automation for a malnutrition prevention campaign of UNICEF concerning several thousands of people in the north of Nigeria*

- > Implementation and design of the platform with and coach a UNICEF nutritionist.

coaching django jupyter pandas

Apr 2017 | Lead developer, OSCAR - oscar.education
2016 | *Math teaching tool that generates a custom remediation program based on a skill tree*

- > Design and implementation of the whole tool from scratch.

django angular1 sysadmin

2 months 2018 | Full stack core developer, SAYAPLAY - saya.fr
2 months 2015 | *Video rushes management backoffice for SAYA a video post-production society*

- > Development, maintenance, and deployment of the whole software in Django/Angularv1.

django angular1 sysadmin remote

Mar 2014 | Software developer, RAILNOVA - railnova.eu
Nov 2012 | *End-to-end digital fleet & predictive maintenance workflow management based on custom built telematics data gathering solution*

- > Modernization of the whole software stack moving away from OpenERP v6, launchpad, bzt to Django, Qit, Github and integrating Jupyter (ipython) notebook and pandas for data analytic.
- > Integration of the Salt stack for configuration management. Deployment of Zabbix for monitoring.

django sysadmin saltstack openerp zabbix

NONPROFIT, HACKERSPACES, EVENTS

- > **10 years of experience in nonprofit organizations and collectives**, co-founded several of them.
- > **More than 40 talks, workshops, presentations** both in English and in French.
- > Member of a jury of a master thesis as a field person.
- > Co-organisation of 2 python devroom and 2 decentralized internet devroom at FOSDEM.
- > **Co-foundation of Neutrinet**, a nonprofit ISP of the FFDN in Belgium where the Internet Cube has been conceived.
- > Co-development of manger-veggie.be which has been reused by L214 for the mobile website of vegoresto.
- > Co-foundation of UrLab, a student hackerspace in Brussels at the ULB, Brussels.
- > Development of hackeragenda.be, a heterogeneous multi-sources events aggregating tool for hackers and programming oriented events in Belgium.
- > Volunteer for la Quadrature du Net between 2009 and 2012. Lead dev of the Political Memory.
- > Involved in the organization of several events: Brussels RMLL in 2013, 3 POOP (queer hacker festival) at Paris, Associalibre in Brussels, Software FreeDom Days in Brussels

EDUCATION

- > 2006/2012 - Computer Sciences - ULB, Brussels, Belgium
- > Lived in Brussels, London and France during school years