

L. PEUCH - FOSS Software developer & coordinator

 github.com/psycojoker  cortex@worlddomination.be  Brussels, Belgium  30 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, (r)ply, Pandas, pytest, peewee, SQLAlchemy, RedBaron, Celery, Lektor
Web	full stack, jquery, angularv1, vuejs, elm, backbone, websocket, html, css, bootstrap
Development	Ruby, Lua, shell, Haskell, Erlang, C/C++, SQL (PostgreSQL, SQLite), MongoDB, RabbitMQ, Redis, Git
Sysadmin	Debian, Ubuntu, YunoHost, web application stack, nginx, apache, zabbix, let's encrypt, LXC, vagrant, libvirt, VirtualBox, graphite
Methodologies	TDD, Agile, XP, FOSS, collective
Language	French (native), English (fluent)

EXPERIENCE

Today 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 a fully async custom CI tool using asyncio (sanic) with websockets and vuejs. <p>sysadmin python distribution lua-nginx ruby (sinatra) javascript (sammy.js) self-hosting remote</p>
Today 2014	Lead core developer & researcher, BARON & REDBARON - redbaron.readthedocs.io <i>high level bottom up custom refactoring python library that allows to write code that will modify source code based on a lossless syntax tree for python</i> <ul style="list-style-type: none">> 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.> Design and implementation 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, ...). <p>python AST syntax tree refactoring parsing research</p>

2017	Coordination, distribution, development, project management, BRIQUE INTERNET/INTERNET CUBE - internetcu.be
Oct 2014	<p><i>Out of the box self-hosting small home server and VPN gateway based on FFDN infrastructure and YunoHost distribution</i></p> <ul style="list-style-type: none"> > Co-initiator of the project. > Team coordination in a free software context, building tools, deployment on field, user support and promotion. <p>ffdn yunohost vpn self-hosting distribution coordination</p>
Apr 2017 2016	<p>Coach, developer, IMAM - github.com/RobertJohnston/IMAM</p> <p><i>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</i></p> <ul style="list-style-type: none"> > Implementation and design of the platform with and coach a UNICEF nutritionist, and how to sell the project to the hierarchy. <p>coachng django jupyter pandas</p>
Apr 2017 2016	<p>Lead developer, OSCAR - oscar.education</p> <p><i>Math teaching tool that generates a custom remediation program based on a skill tree</i></p> <ul style="list-style-type: none"> > Design and implementation of the whole tool from scratch, with a small team of various skills including a designer. <p>django angularv1 sysadmin</p>
2 months 2018 2 months 2015	<p>Full stack core developer, SAYAPLAY - saya.fr</p> <p><i>Video rushes management backoffice for SAYA a video post-production society</i></p> <ul style="list-style-type: none"> > Development, maintenance, and deployment of the whole software in Django/Angularv1. <p>django angularv1 sysadmin remote</p>
Mar 2014 Nov 2012	<p>Software developer, RAILNOVA - railnova.eu</p> <p><i>End-to-end digital fleet & predictive maintenance workflow management based on custom built telematics data gathering solution</i></p> <ul style="list-style-type: none"> > 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. <p>django sysadmin saltstack openerp zabbix</p>

NONPROFIT, HACKERSPACES, EVENTS

- > **10 years of experience in nonprofit organizations.**
- > **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.
- > **Co-foundation of NURPA**, a netzpolitik nonprofit organization in Belgium.
- > 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
- > Participation and co-organization of a FOSS radio show ([src.brussels](#)) for several months.
- > Member of [afpy](#), [Framasoft](#) and [April](#)

EDUCATION

- > 2011 - [Introduction to Databases](#) - pre-Coursera MOOC by Jennifer Widom
- > 2006/2012 - Computer Sciences - ULB, Brussels, Belgium
- > Lived in Brussels, London and France during school years