

Nsukami Patrick

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Backend application development | Object-Oriented Analysis, Design and Development | Relational databases systems | Agile methodologies

Architect and developer with 10 years experience in building tailored solutions to meet ever-changing business requirements. Advanced skill with programming tools complemented by the proven ability to learn and rapidly utilize new technologies.

Skills

Operating systems	GNU/Linux Debian and derivatives, Void
Programming	Python, Lisp, Bash, Golang
Frameworks	Django, DRF, Flask, Bottle, Tox
RDBMS	Sqlite, MySQL, PostgreSQL
Toolbelt	Tmux, Emacs, SSH, LXC, Git, Hg, Hugo, Ansible
Would like to avoid	Ionic2, AngularJs, ReactJs, Windows, CSS, Zend/PHP
Would like to learn	Go, Rust, OCaml
Languages	French (native), English (2005 TOEFL), Lingala (native)

Professional experience

Logilab.fr, june 2020 – present:

- type hint some of the in-house software components:
 - setup & configure mypy
 - add types

Logilab.fr, october 2018 – may 2020:

- Review some of the in-house software components (cubes) and make them:
 - installable via pip
 - Python2 and Python3 compatible.
 - pass unittests
 - (some of them) run inside Docker containers
- Contribute to the rewrite of Logilab.fr website
 - write scripts to retrieve content from old website using cwclientlib
 - configure Pelican static site generator
- Write a migration script to automate cube migration
- Do (a little bit) of code review

Dakar Institute of Technology, october 2019 – february 2020:

Introduction class to SQL:

- Introduction to relational databases (SQLite).
- Teach how to use SQL to store, query, and manipulate data.
- Cover the basics of the SQLAlchemy SQL Toolkit and Object Relational Mapper.

Introduction class to Python:

- Python data types and data structures.
- Python control flow.
- Python functions and modules.
- Python and OOP.

Brief.me, february 2018 – june 2018:

- Optimizing Django Admin (raw_id_fields, read_only_fields, queryset filtering).
- Implementing student offer.
- Maintenance and features addition for brief.me & brief.eco
- Doing a little bit of SysAdmin:
 - Setting up web servers and SSL certificates + monitoring.
 - Configuring urls rewrites, certificates renewal
 - Project deployment (Supervisor, Django, Celery, Gunicorn)

XCG Consulting, february 2017 – january 2018:

- Dockerizing Django projects to ease the deployment process.
- Updating building processes by dropping the use of buildout.
- Configuring Drone as the CI system.
- Moving the Xbus.io website from Django-cms to Hugo.
- Maintenance and features addition for the e-commerce platforms:
 - www.annonces-legales.fr
 - www.lesechos-events.fr
 - www.lesechos-etudes.fr
- Monitoring servers via Sentry, & taking required actions if necessary.
- Providing technical support to end users.

Sharonomy S.A, january - march 2017:

Writing backend components for the CarAmigo web platform. Writing new components to let CarAmigo users manage their profile right inside the CarAmigo mobile application.

Soon S.A, 2011-2016:

Maintaining the system, updating software, fixing bugs and implementing new features for the africafilms.tv VOD platform.

Formal Education

2010	Software engineering master, Institut Supérieur d'Informatique. Dakar, Senegal.
2008	Informatics bachelor, Institut des Sciences de l'Ingénieur. Dakar, Senegal.
2007	Bac+2 electronics, 'Le G15'. Dakar, Senegal.
2004	Baccalauréat (mathematics), Serie E, Lycée technique. Libreville, Gabon.

Publications

Pierre Chrzanowski, Patrick Nsukami, Tangui Morlier, July 2013: **Exploring Senegal public procurements, how we turned pdf files to browsable datas.** Open Spending Community.

Patrick Nsukami, December 2016: **From iterators to coroutines, a Python coroutines introduction.**

Affiliations

Emacs Stackexchange	http://emacs.stackexchange.com/users/101/nsukami
Python - Africa	https://mail.python.org/mailman/listinfo/python-africa
Github	https://github.com/lemeteore

Miscellaneous

Innovation House Dakar:

I support aspiring entrepreneurs at the beginning of their journey. Whether they just came up with a very simple concept or not, I give them all the tech tips I could, all the advices they need, to help them launch.

PyCon Africa Speaker:

I've been pleased and honored to be a speaker at the PyCon Africa 2019. You'll find more info about PyCon Africa on <https://africa.pycon.org>. My talk was an introduction to Python coroutines.

Agence universitaire de la francophonie:

Gave multiple training sessions on how to use python to build projects involving RaspberryPi, PyBoard & Arduino boards.

Agence universitaire de la francophonie:

Gave multiple mentoring/coaching sessions during startup competitions, on how to use free software to build a Proof of Concept.

