

# JuanCarlos

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## 1 Juan Carlos Ojeda

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- **Years of Experience:** 10+ Years.
- **When can I start?:** Immediately.
- **Timezone:** UTC -3:00.
- **Availability:** Remote, Full-Time/Part-Time/Flex-Time/Async-Work.

*Working on software industry for 10+ years, always looking to learn more !.*

## 2 About Me

I code Open Source on GitHub. I like to think *outside the box* (but I mean it), so eventually hit the limits of what CPython can do, then used Cython, also choke on the boundaries, then integrated Nim to my workflow, so far is the most productive, and allows me to implement my ideas into unique software, not seen anywhere else.

- Electron alternative, web technologies based crossplatform GUI Framework, compiles to few Kilobytes file.
- Fullstack web Framework from scratch with unique features.
- Compile-time Type-safe Database ORM for PostgreSQL and SQLite, including prepared statements.
- Compile-time Translation framework that translates unmodified source code with 0 cost at runtime..
- Python PIP alternative, uploads to PYPI (replaces Twine), single file, works on Docker & Alpine.
- Requests alternative with built-in multi-thread web scrapers and downloaders, 0 dependency. ,
- CSV module for Data Science, HTML Table view, faster than Pandas (at the time of writing it)..
- Recursive `os.walk()` alternative with Glob patterns, faster than `stdlib` (at the time of writing it)..
- Async Libraries for all APIs of OpenStreetMap.

- Online Web Playground with Python syntax, machine code, Abstract Syntax Tree, UML SVG, QR Code, etc.
- As a social activity, I started the Nim Argentina community (Spanish, +100 people).
- I have some popular Python packages on pypi

I contributed to popular open source projects like Peewee, Nuitka, Ninja-IDE.

Arch Linux user, previously Debian/Ubuntu. I can effectively communicate technical information to non-technical people, I like to make things simpler. I have been coding Python more than 10 years, on small and big companies of the US. As a self-taught person, for me programming is always learning new things, is an adventure of a lifetime.

## 2.1 Languages

- **English:** Fluent, technical.
- **Spanish:** Native.

## 3 Experience

### 3.1 Senior Python Developer for Thirstie and Clos19

MicroServices using Async Python 3.8 with Static Type hints, Postgres, Peewee, Celery, Docker Linux (GitHub), with a distributed team of 2 developers from Argentina, we designed and started the code from zero. 2019.

### 3.2 CTO for OptiAgro

CTO working remotely AGTech Python projects for Argentinean Startup OptiAgro. (Canceled by CEO) 2018.

### 3.3 Senior Open Source Python Developer for Twilio

I maintained all Twilio Python APIs and documentations, some NodeJS/Ruby too, on GitHub, with a distributed team of 5 developers, peer reviews of all repos, documentation, R&D, tutorials, bug fix, features, technical translation, juniors mentoring, and more. (Temporal Staff Augmentation) 2016~2017.

### 3.4 Senior Python Developer and Technical Leader for National Geographic

I maintained all NatGeo websites for years, all Python/Django based, with a team of 5~15 people, projects like YourShot, MemberCenter, NatGeo, WPF, IconGS, Mortar, other internal-only software, etc.

On parallel working with clients like Electronic Arts, Lionel, SEARS/Kmart, Howarth, AON, BSD, etc. International Teams from USA, Canada, Colombia, Germany, India, Arab E., Uruguay, Argentina, etc. Python FullStack, experience on Django, HTML5, CSS3, JS, CoffeeScript. (until NatGeo get bought) 2009~2016.

### 3.5 Freelance Senior Developer/Cooperative Partner for Open Contracting Data Standard

Python Developer and docs translator for Open Contracting development (Migrated dev team to Brasil). ~2017.

### 3.6 Freelance independent Python Developer for Empeopled Social Network

Python2 Linux Web development, Home-working on Backend work. (Canceled by CEO) 2015~2016.

### 3.7 Skills

Python, Nim, JavaScript / NodeJS, basic C, Cython, NimScript, Ruby, Go, Bash, Postgres SQL Databases, SQLite Databases, Docker, Vagrant, Arch Linux, Ubuntu Linux, Backups, SQL Raw Queries, ANSI SQL, Backend, Frontend, DevOps, Junior Mentoring, Unittests, Technical Translation, Technical Documentation Writing, Design by Contract Testing, Web Scrapping, Open Data, Tensors, Behaviour Driven Development, Gherkin syntax, Microservices, Async programming, HTTP REST JSON API, Performance Tunning, Scrapy, Cross-Compilation, binary modules for interpreted programming languages, Automation, Open Source software, GitHub, GitLab, Tech Stack renovation, Refactoring, LaTeX, Team Leader, Technical Blogging, Linux Security, Binary Hardening, Benchmarking, Creating products from scratch, Resource usage tuning for servers, Caching, HTML, SEO, CSS, SCSS, JSON, XML, SVG, CSV, ORM, INI, RST, MD, Git, GCC, LLVM, ARM, GDB, PDB.

### 3.8 Education

- **University:** U.T.N. (Argentina, Buenos Aires), Systems Engineer. Python Programming; Linux LPI; Bilingual.

*Thank you for your time, do not hesitate to contact me for any interviews or questions, let's talk.*