

# Juan Carlos Ojeda

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- **Mail:** [JuanCarlospaco@Gmail.com](mailto:JuanCarlospaco@Gmail.com) (<mailto:juancarlospaco@gmail.com>).
- **GitHub:** <https://github.com/juancarlospaco> (<https://github.com/juancarlospaco>).
- **Linkedin:** <https://www.linkedin.com/in/juan-carlos-7b273918>  
(<https://www.linkedin.com/in/juan-carlos-7b273918>).
- **Blog:** <https://dev.to/juancarlospaco> (<https://dev.to/juancarlospaco>).
- **Mobile:** <https://telegram.me/juancarlospaco> (<https://telegram.me/juancarlospaco>).
- **Years of Experience:** 10+ Years.
- **When can I start?:** Immediately.
- **Timezone:** UTC -3:00. (<https://www.openstreetmap.org/relation/1632167>).
- **Availability:** Full-Time/Part-Time/Flex-Time/Async-Work.
- **Location:** Remote only.

[CV PDF Download \(https://github.com/juancarlospaco/-/raw/master/-/Juan\\_Carlos.pdf\)](https://github.com/juancarlospaco/-/raw/master/-/Juan_Carlos.pdf).

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

# Languages

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## English

Fluent, I been working for US companies all my career.

I finished DuoLingo English courses, the most popular learning app.

- [https://www.duolingo.com/profile/Juan\\_Carlos.nim](https://www.duolingo.com/profile/Juan_Carlos.nim)  
([https://www.duolingo.com/profile/Juan\\_Carlos.nim](https://www.duolingo.com/profile/Juan_Carlos.nim))
- <https://github.com/juancarlospaco/-/blob/master/-/duolingo-english-finished.png>  
(<https://github.com/juancarlospaco/-/blob/master/-/duolingo-english-finished.png>)

**Spanish:** Native.

# Top 6 Skills

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- Python 3.10+ (<https://python.org>), Cython (<https://cython.org>).
- Nim (<https://nim-lang.org>) (Backend, Frontend, Scripting).
- Postgres SQL, SQLite (Raw SQL queries, ORM).
- Linux for production servers (Docker, Microservices, Arch, Alpine, Debian, Ubuntu).
- WebAssembly Emscripten, JavaScript ES2021, typed NodeJS.
- Produce more code in less time (AST metaprogramming codegen).

# Skills

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- One of the top developers from my country, according to GitHub stats.  
(<https://commits.top/argentina.html>).
- Ruby, Crystal, Pascal, TypeScript, CoffeeScript.
- C, Assembly x86\_64 (FFI mainly).
- High performance binary modules for interpreted programming languages.
- Porting interpreted/JIT/VM languages to native crossplatform binaries.
- Software performance tuning. Resource usage tuning for servers.
- Technical documentation writing, translation and blogging.
- WebAssembly, porting server-side software to the browser.
- Refactoring run-time software logic to compile-time.
- Bash, NimScript (Scripting, deployment).
- Bulma, Spectre, Bootstrap (CSS frameworks).
- Latex, RestructuredText, Markdown (markups).
- Git, GitHub, GitHub Actions, GitLab, CI, CD.
- Creating products from scratch.
- Design by Contract programming.
- Functional programming.
- Tech stack renovation.
- Open Data compliance.
- HTTP REST JSON API.
- Junior mentoring.
- Binary Hardening.
- Docker, Vagrant.
- Gherkin syntax.
- Web scrapping.

# Experience

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## **Senior Python Developer for Thirstie (<https://thirstie.com>) and Clos19 (<https://www.clos19.com>)**

MicroServices using Async Python 3.9 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. ~2020.

## **Senior Open Source Python Developer for Twilio (<https://www.twilio.com>)**

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) ~2019.

## **Senior Python Developer and Technical Leader for National Geographic (<https://www.nationalgeographic.com>)**

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) ~2018.

## **CTO for OptiAgro**

CTO working remotely AGTech Python projects for Argentinean Startup OptiAgro. (Canceled by CEO) ~2017.

## **Freelance Senior Developer/Cooperative Partner for Open Contracting Data Standard (<https://standard.open-contracting.org>)**

Python Developer and docs translator for Open Contracting development (Migrated dev team to Brasil). ~2016.

## **Freelance independent Python Developer for Empeopled Social Network (<https://www.empeopled.com>)**

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

# About Me

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I code Open Source on [GitHub](https://github.com/juancarlospaco). I like to think *outside the box* (but I mean it), so eventually hit the limits of what [CPython](https://python.org) can do, then used [Cython](https://cython.org), also choke on the boundaries, then integrated [Nim](https://nim-lang.org) to my workflow, so far is the most productive, and allows me to implement my ideas into unique software, not seen anywhere else.

- [Fullstack web Framework from scratch with unique features](https://nimwc.org/login).
- [Electron alternative, web technologies based crossplatform GUI Framework, compiles to few Kilobytes file](https://juancarlospaco.github.io/webgui).
- [Compile-time Type-safe Database ORM for PostgreSQL and SQLite, including prepared statements](https://github.com/juancarlospaco/nim-gatadb#gatadb).
- [Compile-time Translation framework that translates unmodified source code with 0 cost at runtime](https://github.com/juancarlospaco/nim-nimterlingua#nimterlingua).
- [Requests alternative with built-in multi-thread web scrapers and downloaders, 0 dependency](https://github.com/juancarlospaco/faster-than-requests#faster-than-requests).
- [CSV module for Data Science, HTML Table view, faster than Pandas \(at the time of writing it\)](https://github.com/juancarlospaco/faster-than-csv#faster-than-csv).
- [Recursive `os.walk\(\)` alternative with Glob patterns, faster than `stdlib` \(at the time of writing it\)](https://github.com/juancarlospaco/faster-than-walk#faster-than-walk).
- [Async Libraries for all APIs of OpenStreetMap](https://www.openstreetmap.org/user/Juan_Carlos).
- [Online Web Playground with Python syntax, machine code, Abstract Syntax Tree, UML SVG, QR Code, etc.](http://argentina-ni.ml)
- [Python PIP alternative, uploads to PYPI \(replaces Twine\), single file, works on Docker & Alpine](https://github.com/juancarlospaco/nim-pypi).
- As a social activity, [I started the Nim Argentina community \(Spanish, +100 people\)](https://t.me/NimArgentina).
- [I have some popular Python packages on pypi](https://pypi.org/user/juancarlospaco)

I contributed to popular open source projects like [Peewee](https://github.com/juancarlospaco/peewee-extra-fields), [Nuitka](https://nuitka.net), [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.

## Education

- University: U.T.N. (<https://utn.edu.ar>) (Argentina, Buenos Aires (<https://www.openstreetmap.org/relation/1632167>)), 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.*