

Juan_Carlos

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1 Juan Carlos Ojeda

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- **GitHub:** <https://github.com/juancarlospaco>
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- **Mobile:** <https://telegram.me/juancarlospaco>
- **Years of Experience:** 10+ Years.
- **When can I start?:** Immediately.
- **Timezone:** UTC -3:00 (flexible).
- **Availability:** Full-Time/Part-Time/Flex-Time/Async-Work/On-Demand.
- **Location:** Remote only. Argentina, Buenos Aires.

CV PDF Download

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

2 Languages

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://github.com/juancarlospaco/-/blob/master/-/duolingo-english-finished.png>

Spanish: Native.

3 Top 6 Skills

- Python 3.10+, Cython
- Nim (Backend, Frontend, Scripting, FFI, WASM).
- Postgres SQL, SQLite (Raw SQL queries, ORM).
- Linux for production servers (Docker, Microservices).
- WebAssembly Emscripten, JavaScript, NodeJS.
- Produce more code in less time (AST metaprogramming codegen).

4 Skills

4.1 Software

- C, C++, TypeScript, CoffeeScript, Pascal, Ruby, Crystal.
- HTTP REST JSON API, web sockets, web scraping.
- Software performance tuning for reducing server costs.
- High performance binary modules for interpreted programming languages.
- Porting interpreted/JIT/VM languages to native crossplatform binaries.
- WebAssembly, porting server-side software to the browser.
- Refactoring run-time software logic to compile-time.
- Functional programming. Design by Contract programming.
- Tech stack renovation. Junior mentoring.

4.2 Design

- Figma, Canva, Gimp, Krita, photo editing, stock photos (Unsplash).
- Video editing, OBS-Studio livestreaming, video demo reels, stock videos (Pexels).
- 3D Design, 3D infographics, Blender 3D, 3D Kitbashing.
- CSS, Bulma, Bootstrap.

4.3 Crypto

- Web 3.0, NFT, zero-fee instant cryptocurrency micropayments, inflation protection for companies.
- Market technical analysis, cryptotrading, cryptobots, cryptomining, price trends.

4.4 Writing

- Technical translation for software and documentation. Open Data.
- Copywriting, blogging, social media management, video content translation.
- Latex, RestructuredText, Markdown, Gherkin (markups).
- I love to write documentation for software.

4.5 Linux Admin

- Git, Bash, NimScript, SSH, Docker, Vagrant, Docker-compose, Busybox, daemons.
- GitHub, GitHub Actions, GitLab, CI, CD, deploys, scripting, binary hardening.

5 Experience

5.1 Senior Nim Developer for CxManager

Nim developer for a small company, refactors, translations, and fixes for the project. ~2022.

5.2 Senior Python Developer for Thirstie and Clos19

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.

5.3 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) ~2019.

5.4 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) ~2018.

5.5 CTO for OptiAgro

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

5.6 Freelance Senior Developer/Cooperative Partner for Open Contracting Data Standard

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

5.7 Freelance independent Python Developer for Empeopled Social Network

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

6 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.

- Fullstack web Framework from scratch with unique features.
- Electron alternative, web technologies based crossplatform GUI Framework, compiles to few Kilobytes file.
- 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..
- 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.
- Python PIP alternative, uploads to PYPI (replaces Twine), single file, works on Docker & Alpine. ,
- 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.

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.

7 Workstation

- Arch Linux and Alpine Linux, Windows in a Virtualbox.
- CPU Ryzen, 32 Gb RAM, 1 Tera SSD, internet 9 Mb, chill office.

8 Education

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

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