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Barcelona • Spain • cesarlpb@gmail.com • +34 640 488 783

Curious, science-minded problem-solver with a strong math foundation, driven to build software that delivers real-world impact. Experienced in startups, Web 3 and blockchain-based projects.

## Education

### Complutense University of Madrid

Bachelor of Science: Theoretical Physicist.

Honourable mention in Differential Geometry

### Paris VII Denis Diderot

Erasmus studies abroad coursework in Physics

Madrid, Spain

Thesis: Strongly Interacting Higgs Boson

Paris, France

2011 – 2012

## Experience

### Fundación Esplai

#### Node, NestJS, NextJS & UX/UI Instructor

Barcelona, Spain

Feb - Aug 2024 & Feb - Aug 25

- Taught principles of UX/UI from scratch to competitive level to youngsters looking for an industry switch.
- Managed to boost the startup of +3 projects with the assistance of a few students in design, front-end, Python.
- Won 1st place in a hackathon with Social Nexus project, an initiative to make companies meet social volunteers.

### Methodo Bitcoin

#### CTO, Python, Node Senior Developer

Barcelona, Spain

Apr 2024 – Feb 2025

- Optimized the initial loading time of the web app by 500% ensuring an optimal lazy load of resources.
- Audited the legacy code from a third-party provider to ensure state-of-the-art quality and best practices.
- Established a roadmap with a go-to market strategy developing the product in backend and frontend.

## Leadership & Activities

### Onets

#### Python, NestJS, Node, TS Senior Developer

Madrid, Spain

Sep 2023 – Apr 2024

- Optimized an API integration to serve a series of requests from +30 seconds down to less than 5 seconds.
- Introduced good practices in operational flow in the company. Led +20 dev team & instructed juniors.
- Guided the code implementation for calculations needed to simulate a photovoltaic panel installation performance in single-family houses in Spain with a 3D view based on Three.js and Blender models.

### Freelance development

Madrid, Spain (remote)

2012 - present

- Managed custom software development services for clients: Wordpress, Laravel, PHP, Node, Web 3, etc.

## Skills & Interests

### Technical:

- **Backend:** Advanced Python, Node/Express, NestJS, JavaScript | Typescript
  - **Python frameworks:** Advanced Django | Django Rest Framework, Flask, FastAPI
- **Frontend (JS, TS):** Advanced NextJS, React, Angular, Astro · **Web3:** Ethereum, Solana, Solidity, Metamask
- **Cloud & DevOps:** Advanced AWS / Azure, Git, Github, Gitlab
- **Documentation:** Advanced Swagger, Redoc
- **UX/UI:** Intermediate Figma, Adobe tools

**Languages:** Spanish (native), English (advanced, +C1), French (intermediate, B1-2)

**Interests:** Reading, Sci-fi novels, playing the violin, travelling. Physics.