

CARLOS MONTENEGRO

SOFTWARE & DATA SCIENCE

CONTACT

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San José, Costa Rica

PROFILE

Software Engineer with 15 years of experience, very passionate about improving code quality, scaling production applications and solving problems with data.

TECHNICAL SKILLS

- Machine Learning
- Software Engineering
- Data Visualization
- Web Development
- Python, SQL, MongoDB, AWS, Docker, Flask, Django, FastAPI, Tornado, Pandas

VOLUNTEER EXPERIENCE

01/2022 - Current

Plato

Engineering Leadership Mentor

EDUCATION

2022 - IN PROGRESS

Arizona State University

**Master of Science in Big Data
Systems & Artificial Intelligence**

FIDELITAS UNIVERSITY OF COSTA RICA

**Bachelor of Science in Computer
Science**

EXPERIENCE

Senior Software Engineering Manager (Full-time) | DrChrono

- Leading two development teams working on the core product of DrChrono. Using Python/Django.

Software Development Manager (Full-time) | SmileDirectClub

- Managed two development teams within the engineering organization and started the engineering practice in the Costa Rica site.
- Developed Python/Django web application for orthodontists to create prescriptions and integrate that to the company's main platform

Engineering Manager (Full-time) | EY

- Productionized multiple deep learning models for the EY Artificial Intelligence Lab. Specifically worked on a document intelligence tool. Used Python and Flask.
- Build a chatbot for the TAX department using Python and deep learning technologies.

Lead Software Engineer (Full-time) | Opta

- Leading a team of 8 software developers to design a new backend using microservices architecture on AWS and Kubernetes. Used Python and Flask
- Delivered ETL tool for residential data, increasing speed of data ingesting by 80%.

Senior Python Developer | Freelancer

- **Gorilla Logic:** Developed cloud big data storage platform for media clients using python microservices, increasing storing and retrieval speed of huge files by 50%.
- **KKR/GFT:** Built Python automations and internal tools for the Credit Risk department.
- **Indeed:** Built a Legal Agency Agreement tool using Python/Django/Flask.

Software Engineer (Full-time) | Intel Corporation

- Designed, developed and led server backup and recovery automation API project for the datacenter and hosting global department, reducing yearly cost by 20%. Used Python and Flask.

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