

CARLOS ROSAS

Python Developer & Electronic Engineer

PROFILE

I am an Electronic Eng. in Computers. I have in software development for microcontrollers, built LAN network and deploy servers in industrial environments. Since 2 years, I started developing software with Python for Web & Api Development as well as Embedded Development for IoT Products.

CONTACT



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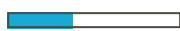
Boddinstraße 32, 12053

Berlin Germany

LANGUAGES

A1

C2



EDUCATION

- 2011 M. SOLAR ENERGY TU-BERLIN** 5 yr
Photovoltaic On & Off-grid - PV Market & Entrepreneurship - BIPV - Project Management - Business Administration
- 2008 CISCO CCNA UNIVERSITY FERMIN TORO** 8 mo
Basic Networking - Router & Routing Basics - Switch Basics & Intermediate Routing - WAN Technologies
- 2004 BENG. ELECTRONICS, UNIVERSITY YACAMBU** 5 yr
Microcontrollers - Robotics - PLC Ethernet Network - Automation Electronics Circuits - Power Electronics

TECH SKILLS

- Python
- Flask / Django (Web / API)
- HTML5 / CSS3
- CSS Bootstrap / Bulma
- Docker / Docker-Compose
- PostgreSQL / SQLAlchemy
- MongoDB / MongoEngine
- RaspberryPI / uControllers
- Pandas / Matplotlib
- PyTest (Test Framework)
- Request-HTML (Scraper)
- SketchUp 3D / Illustrator
- Git / Github
- Travis CI
- AWS-IoT
- AWS / Heroku

WORK EXPERIENCE

- 2018 PYTHON DEVELOPER (FREELANCER)** >3 mo
Helping small businesses overcome technical constraints and adopt new versatile technologies that best suit customer needs and specific requirements.
- 2016 PYTHON DEV & ELECTRONIC ENG. – SOLARVIBES, BERLIN** 2 yr
Prototype an IoT system to monitor crops' soil and weather conditions to automate farm's irrigation system. Prototypes include: raspberryPi IoT sensor, Web app for digital farming & API for IoT sensor auth/registration
- 2014 PHOTOVOLTAIC ENG. – ET SOLUTIONS, MUNICH** 6 mo
Internship - worked in engineering department designing PV power plant's projects for an EPC company and developing its technical documentation.
- 2010 ELECTRONIC ENG. – POLAR, VENEZUELA** 10 mo
Co-designed & implemented an ethernet network for machines of 13 bottling production lines in a brewery company
- 2009 ELECTRONIC ENG. – MERIDEÑA, VENEZUELA** 4 mo
Built & implemented an automation room & process for curing sausages (Serrano Ham) for a sausage factory.

EXPERTISE

- Web Development
- API Development
- LAN/WAN Network
- IoT Development
- Embedded System
- Prototyping
- Web Scraping
- Automated Testing
- CI / CD
- UI /UX