

Full Stack Developer | Data Engineer

Carlos Esteban García Márquez

Summary

I am a Full Stack developer and Data Engineer, with three years of experience, looking to apply my computer languages knowledge, such as Python, HTML, CSS, JavaScript and SQL in diverse fields, like web development and data science. All this through my communication, perseverance and creativity skills.

Life philosophy

A Dream is All I Need to Get By

Contact

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CharlesItzcoatl

Languages

Spanish - Native
English - Intermediate, fluid conversation (B2)



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EDUCATION

2013-2018



Bachelor's Degree

ESIME ZACATENCO - IPN

Communications and Electronics Engineering

Control Specialization.

Thesis: Construction and Design of an Incubator's Control System Using Fuzzy Logic Control.

Mexico City

EXPERIENCE

2022-2026

Full Stack Developer/Data Engineer

Mexico City

Bublink Digital

- Web app development with Python (Flask) and Google Cloud Platform (App Engine, Firebase, Cloud Storage).
- Web development of consumidoresanónimos.com.
- Web development of bublink.com.mx.
- Web development of gfw.com.mx.
- Data manipulation and analysis for Dell with Python (Pandas). Process automation.
- Web scraping of Amazon and vvb.com.mx with Python (Scrapy).
- Web scraping of loft.com.mx with Python (Selenium).

03/2019 -
09/2019

Social Service

Mexico City

Person in charge: valverde@cinvestav.mx

- Development and implementation of fuzzy logic control systems, in hardware and software, in embedded C.
- Temperature and humidity processing.
- Electric and electronic sensors conditioning, calculation and calibration.
- Fuzzy logic control programming in embedded C.
- I²C, UART and RS-485 communication.
- Mathematical models simulation and electronics schemes design.

INDEPENDENT PROJECTS



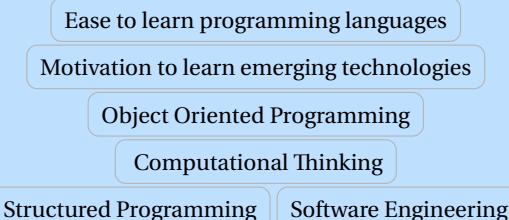
Independent

- Videogames platform development with React and Chakra UI.
- Design and development of data bases with MySQL and PostgreSQL.
- ETL process doing web scraping of news websites La Jornada, SDP Noticias, Milenio and UnoTV.
- Web scraping of cia.gov to extract CIA declassified archives.
- Web scraping of website pagina12.com.ar to extract the day's news data of all the sections within the website (title, URL, date, summary, author, body and image).
- Web scraping of website etn.com.mx to extract the bus departure schedules from diverse origins and destinations (departure, arrival, duration, bus type, prices, provider, number of scales, scales characteristics).

Soft skills and strengths



Professional skills



Other interests

- Guitar 🎸
- Traveling 🌍
- Videogames 🎮
- Books 📚
- Movies 🎬
- Series 📺

GitHub Projects

Visit my GitHub projects:



</> COMPUTER LANGUAGES

- **Python:** Advanced
- **CSS:** Intermediate
- **C/Embedded C:** Intermediate
- **SQL:** Intermediate
- **JavaScript:** Intermediate
- **HTML:** Intermediate
- **C++:** Intermediate
- **PHP:** Basic

< OTHER KNOWLEDGE

- **Linux Command line and Terminal (Ubuntu) :** ⚒
- **Bash Shell Programming :** ☐
- **Robotic Process Automation with UiPath :** 🤖
- **Git and GitHub :** ♦
- **RegEx :** (*)

 IT SKILLS

Data Analysis	NumPy  Pandas  Matplotlib  Seaborn  Deepnote  Google Colaboratory  Jupyter Notebooks 
Web Scraping	Scrapy  Selenium  Requests  BeautifulSoup4  APIs
Frontend Development	React  Wordpress  Bootstrap  jQuery  Tailwind  Chakra UI 
RDBMS	MySQL  PostgreSQL 
Backend Development	Flask 
Office Automation	MS Office (Excel, Word, PowerPoint)  LaTeX 