Ernesto Crespo

Software Engineer

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I'm a Software Engineer with more than +20 year of experience as a Python developer with Knowledge in Linux. I have experience developing API restful, working in data cleaning in Advanced Exploratory Data analysis, and working as AWS Cloud Engineer. I'm looking for a remote position as a Software Engineer focus in Data with Machine learning, and deep learning technologies in the health technology, EduTech, InsurTech, or Renewable Energy sectors.

EXPERIENCE

Asistensi Global Insurance, Inc, Software Engineer III— *October 2021 - Present*

- Reduce response times by fixing bugs and supporting services for the medical emergency management tool.
- Improve 60% of the medical prescription service for Asistensi clients in Mexico by designing and developing Medikit API integration with EMS.
- Enhance 50% (only backend for now) of Engineer software process in Emergency Management Systems EMS by developing Python Clean code validation.

  Tech Stack: Django, Django-rest framework, PostgreSQL ,MongoDB, Docker, docker-compose, Serverless framework, Python, FastAPI, NestJS, Pandas, NumPy, Streamlit, Knime.

Talently Inc., Tech Coach — *March 2023 – September 2023*

- As a Tech Coach, I helped several people improve their skills in Data Science, Data Engineering, and Big Data.
  Tech Stack: AWS Athena, AWS RedShift, PostgreSQL, Python, Pandas, NumPy, Scikit-learn, Big Data Analysis with PySpark.

Escala24x7, AWS Cloud Engineer — *August 2019 - October 2021*

- Improved by 80% the care attention by developing AWS APIs and automating the Escala customer service.
- Enhanced 90% of searches for bank customer calls by developing a Data lake for the call system of Banesco.
- Improved 80% of consults vehicle credit sales queries and customer delinquency by developing a Data lake parsing data from the vehicle monitoring system.
  Tech Stack: Python, pandas, NumPy, S3, DynamoDB, RDS, lambda, cloud watch Event, SNS, SQS, AWS API, Step functions, cloud formation, AWS SAM, AWS Athena, AWS Glue, AWS Redshift.

Troc Global, BI Developer — *July 2018 - August 2019*

- Accelerated decision-making of the company's management by developing modules and APIs for EDA, PCA, and predictive analysis as a decision-making tool in the management of electronic and mobile equipment sales stores in Walmart establishments.
  Tech Stack: Python, pandas, NumPy, sci-kit-learn, pyMC3, matplotlib, Seaborn, Django-rest framework, PostgreSQL, and rethinkDB.

SKILLS

Programming Languages: Advanced: **Python**; Intermediate: Golang Basic: **R, Julia, javascript**.
Frameworks Tools: Advanced: Pandas, NumPy, Matplotlib, Seaborn, Bokeh, FastAPI, Streamlit; Intermediate: Scipy, PySpark,Scikit-learn, Django, Flask, ; Basic: Scrapy, Tensorflow, pyMC3, NLTK, Spacy, Pytest, Redis.
Data Base: PostgreSQL, MongoDB, DynamoDB, MySQL, AWS RDS.
Tools: Tableu, Google Data Studio, Docker, Docker-compose, Knime, Slack, Linux.
Agile: Scrum, Extreme Programming.
Languages: Intermediate: English; Native: Spanish.

EDUCATION

University of Carabobo – Valencia, Electrical Engineer, December 2001.

CERTIFICATIONS

Data Scientist with Python Professional – Datacamp. November 2023. 116 hours.

Data scientist with Python – Datacamp. October 2023. 90 hours.

Big Data with PySpark – Datacamp. September 2023. 24 hours.

Machine Learning Fundamentals with Python – Datacamp. August 2023. 16 hours.

Natural Language Processing in Python – Datacamp. July 2023. 25 hours

Data Engineer – Datacamp. July 2023. 57 hours.

Data Analyst in SQL – Datacamp. March 2023. 39 hours.

Data Analyst with Python – Datacamp. January 2023. 36 hours.

More details → https://www.seraph.to/