Erick Garcia
MD, USA
https://ehgp.github.io

Career Summary

Blockchain developer with 4 years of blockchain technology & 1 year blockchain software engineering and automation experience with strong leadership & detail-oriented, out-of-the-box problem solving skills looking to solve tough software related problems for a blockchain protocol lab or blockchain focused financial products and services.

Education

University of Maryland Baltimore County | Master of Professional Studies in Data Science
Automation & Machine Learning with Cloud and Virtual environments
Graduation date: May 2022

University of Texas at Austin | Bachelor of Science in Chemical Engineering
Process Engineering & Project Engineering | Business Economics Track
Graduation date: May 2018

Work Experience

Nielsen Media | Data Scientist   04/20 - Present

Responsible for a set of recurring time-critical production tasks in the Audio Sampling department, for meeting stringent methodological requirements and meeting the highest of customer expectations. Conducted tactical or strategic analyses to address business and customer opportunities. Implemented rate forecast models to be used in a production environment for sample ordering and selection. Utilizes tools such as Python, Tableau & Presto to perform complex data analysis, develop tools for automating procedures, and create visualizations to deliver insights into survey performance. Queried data from large relational databases for various analyses and/or requests, using T-SQL, PL-SQL & Netezza. Implemented prevention and detection controls to ensure data integrity. Prioritized production tasks for an uninterrupted flow of operations. Leveraged Kanban Jira boards to show progress to management.

Exsol Group | Data Engineering Manager Contractor   08/19-04/20

Developing automated systems for engineering documentation.
Incorporating a hybrid cloud system with on-prem servers from a cloud-first architecture.
Working with technology vendors to implement business solutions for EMS.

Maryland & Virginia Milk Producers Cooperative | Operations Controls Engineer   02/19 – 04/20

PM role for department and small-cap projects & led VSCR, CAPA execution
CMMS eMaint system for creation of PM schedules and plant parts
Headed PLC upgrade projects and validated projects before closeout
EHS leader and safety PM decreased incidents in plant by 15% using root-cause analysis & CAPA
Virtualized all P&IDs for longevity and revision access

Barry-Wehmiller Design Group (BWDG) | Controls & Systems Integration Engineer   05/18-02/19

Responsible for engineering, design & programming for automated manufacturing processes.
Contribute to creation & understanding of user requirements & ensure development of functional specifications that serve as basis for successful integration of control systems.
Specification, design, procurement & acceptance of instrumentation, control panels, & power distribution to machine centers & processing skids.
Align control systems architecture & design with client's expectations regarding automation, cost, cleaning, capacity & quality. Assemble design packages, write installation scopes of work & provide construction phase engineering. Support client commissioning of manufacturing operations. Finalize project documentation in alignment with project objectives.

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Skills

- Java, Solidity, Python, PS and MS Command, Linux, Git, JavaScript, Typescript
- IBM Hyperledger Fabric & Bluemix Cloud developer
- Hadoop, SQL Enterprise, Cloudera, Azure, MongoDB, AWS, Slack, Google API
- Truffle, React.js, web3.js, Smart Contracts, NFT
- Protocols (BEP2, BEP20, ERC20, ERC721)
- Bilingual Spanish language – technical speaking, reading & writing

Extracurricular

Hobbies - Swimming, volleyball, guitar, phone repair & computer assembly
Free-lance - investment consulting, cryptocurrency development and mining, tutoring, chauffeuring

Awards,Fellowships, Grants

Chevron Health, Environment & Safety Scholarship 01/17
  Awareness of ethics & process safety management in petrochemical plants
American Institute of Chemical Engineers Minority Scholarship 12/16
  Leadership & communication in technical team environments

Professional Workshops & Certifications

Palisade Webinars – Palisade Corporation – Workshop 05/18
  @RISK Tornado Graphs & Sensitivity Analysis: Gaining Insights into your Models
IBM Blockchain Essentials & Blockchain Architecture Development – IBM 08/18
  Blockchain concepts for business implementation & development
IBM Bluemix Cloud Essentials 09/18
  IBM Cloud application development, services & deployment tools.
IBM Docker Essentials 10/18
  Container, Dockerfile, image creation & orchestration

Projects

ASIC and GPU personal mining in PoW, PoS and PoC 06/20-Present
Set up linux mining servers, plotters and ASIC miners to mine under different profitable blockchains.
Used 120V and 240V setups.

ChemEcoin ERC-20 03/18 - Present
Creation and Crowdsale of cryptocurrency ERC-20 Token in Ropsten Testnet

Twitter AI Sentiment Analysis using Python, Kafka, Hadoop & Storm in Windows 10 VM 02/20 – 05/20
Leveraged Twitter API to funnel tweets pertaining to AI topics into Kafka which would funnel into a
Storm topology that categorized sentiment and stored sentiment results in HDFS.
Packaged the software into a Windows 10 VM for easy accessibility.
Created batch files that executed each technology in a one-click fashion.
Python was used to analyze overall sentiment by obtaining sentiment files through HDFS.
Apache components written in Java.

United States Citizen. Remote first companies preferred due to COVID-19. Overtime & Weekend work.