CHUKWUEBUKA OSUJI

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EXPERIENCE

Helicarrier   Remote
Research Engineer   Feb, 2023 - Present

- Research Maximal Extractable Value(MEV) in Defi exchanges and analyze optimal strategies to generate MEV. Focusing on arbitrage techniques using graph-based algorithms and SMT solvers.
- Research profitable pairs trading strategies in Defi exchanges using measures such as cointegration and underlying dependence structures of crypto assets.
- Build MEV bot in Golang and Python using strategies developed

Famasi Africa   Remote
Software Engineer(Contract)   Jun 2022 - Jan 2023

- Built Dispensary POS app in react native and typescript, with CI/CD pipeline in Fastlane, Github Actions, Firebase, App Center(and codepush) and Native Modules for handling payments using Java.
- Built Dispensary API in Node.js/Express, Postgres,Prisma, Typescript, Docker and Docker Compose/Nginx.

Analytics Intelligence   Remote
Software engineer   Sept, 2021 - June, 2022

- Built PowerdbyAI, a low code machine learning platform for developers (providing robust CV models) using Node/Express, typescript, prisma, mongodb and react. Wrote unit & integration tests , built CI/CD pipeline with Github actions and deployed to Digital Ocean app platform.
- Dockerized and deployed ML models for PowerdbyAI to (Docker Compose/Nginx at first) kubernetes on Digital Ocean
- Built initial frontend for Data Assistant (a generative AI solution for data analytics) in React, Typescript and Redux
- Built and deployed Data Gateway service in Golang (integrates data from Postgres,Mongodb,Excel, CSV and raw text as embeddings) to support Data Assistant and Data Syntax(proprietary NLP engine for Data Analytics).

Cobblescore   Remote
Software engineer   Jan, 2021 - Sept, 2021

- Built Cobble app in react native and Typescript, downloaded by 5000+ users. Wrote integration tests in Jest and built CI/CD pipeline in Github actions for deployment to Firebase, App Platform and Playstore.
- Built API for Cobble app in Node.js/Express, Typescript, Prisma and Postgres, integrated payments (and recurring debits) with Paystack, Mono and Okra and credit data fetching and submission to two out of three Credit Bureaus in Nigeria (First Central and CRC). Built CI/CD pipeline with Github actions, deployed to Digital Ocean droplets.
- Built experimental credit scoring engine leveraging alternative data and random forests in Python

EDUCATION

Imo State University   Owerri, Imo State
BS Library and Information Science *GPA: 4.28*   October, 2014 - October, 2018

PERSONAL (FUN) PROJECTS

Local Foods *MongoDB, Next.js, Mapbox, Stripe*   https://local-foods.vercel.app/
Fullstack app to find and book tables at restaurants near you using next.js , mapbox, mongo db and stripe, db seeded with zomato data from kaggle. Github - https://github.com/atlasmoth/local-Foods.

Price Action *Next.js, Plotly.js, Coin Gecko*   https://crypto-peach.vercel.app/
Search and visualize price action of crypto tokens with coin gecko API, Next.js and plotly.js. Github - https://github.com/atlasmoth/crypto.

MovieDb   https://moviedb-alpha.vercel.app/
MovieDB clone - Discover movies, tv, shows and actors with Next.js and MovieDB API. Github - https://github.com/atlasmoth/moviedb.