DERICK DECESARE

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Dedicated full-stack software engineer with a passion for technology and application development. In my previous roles, I have a strong record of effectively solving complex problems, designing new systems, and making processes more efficient. I am confident in my ability to work with any team, learn new technologies, and go above and beyond to accomplish objectives.

Technical Skills

Tools: Next.js, Node.js, GCP, Javascript, React, Python, Firebase, Firestore, Stripe, Pandas, Solidity, Webhooks, User Authentication, Smart Contracts, GraphQL, OpenAI, Truffle Suite, AWS, Ganache, Monte Carlo Simulations, Restful APIs, SendGrid, Logistic Regression, NumPy, Twilio, SciPy, Ffn, Machine Learning

Databases: SQL, MongoDB, NoSQL, Firestore, PostgresSQL

Projects

Grapevyyn - Digital Reputation Managment For Small Business | grapevyyn.com
- Full-stack web application integrated with Google, Stripe, Quickbooks, Twilio, SendGrid, and Jobber APIs/Webhooks. Includes user dashboards, automation via webhooks, and customizable features.
- Technology: Next.js, Node.js, Firebase, Firestore, GCP, Google Cloud Scheduler, Google Cloud Function, Tailwind.

Vitae Digital Credentials Application | github.com/rrmangum/blockchain_credentials
- Allows users to create, issue, receive, delete, and revoke non-transferable ERC-721 standard NFTs that serve as digital credentials.
- Technology: Python, Javascript, Solidity, Flask, SQL Alchemy, Postgress, Infura, Metamask

Trading Bot 9000 | github.com/Forte42/Trading_Bot_9000
- Implemented an automated bot incorporating algorithmic trading and machine learning to buy and sell cryptocurrencies.
- Technology: Tensorflow, Pandas, Keras, Python, Binance

Correlation Analysis Application | github.com/2004-ind/Correlation_Analysis
- Uses APIs to pull data for various financial sectors and economic indicators so users can interact and visualize relationships between potential investments.
- Technology: Python, hvPlot, Matplotlib, Sklearn, Seaborn, Yahoo Finance API, Econdb API

Relevant Experience

Owner and Software Developer   **2021 – Present**
ShineWorks   **San Diego, CA**
Develop and maintain company software, website, and mobile applications for a cohesive and streamlined user experience. Automate aspects of client acquisition and fulfillment resulting in increased operational efficiency. Utilize webhooks and firebase cloud functions for client communication to decrease response time and improve customer experience. Use financial models to make data-driven decisions that result in consistent quarter-over-quarter revenue growth and profitability. Facilitate a winning team culture through challenging market conditions.

Education

FinTech Certificate: UC Berkeley, Berkeley CA

Biomedical Science: Colorado State University, Fort Collins, CO