

# Carlos Martinez

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## BRAND STATEMENT

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Full-Stack Software Engineer leveraging hands-on experience in JavaScript, Python, data analysis, and industry best practices to innovate and create user-centric solutions. With 8 years of community organizing experience and a deep passion for continuous learning and community, I am driven to push boundaries and contribute to collaborative efforts.

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**Languages:** Python, JavaScript

**Frameworks/Libraries:** Express, Mongoose, Django, React, TailwindCSS, Bootstrap, Material UI

**Databases/Backends:** PostgreSQL, MongoDB

**Methodologies:** MVC, OOP, RESTful Architecture, Agile methodologies

**Tools:** Node.js, Figma, Git, Command Line Interface

## PROJECTS

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### AniDex (Anime Database Builder)

- Led development using Node.js, Express, and MongoDB.
- Established a robust data management system with MongoDB, emphasizing data integrity and efficient retrieval.
- Utilized GitFlow methodology, streamlining team collaboration and enhancing version control for efficient project delivery.

### NEED (E-commerce Application)

- Utilized the MERN stack to develop a comprehensive online marketplace with token-based authentication.
- Leveraged Stripe API and DummyJSON API for secure transactions and enhanced platform features.

### Fitness Tracker App

- Developed a user-centric fitness app with Python, Django, and PostgreSQL, promoting personalized workout management.
- Enhanced user engagement with WGER API exercise selections and motivational quotes via FreeCodeCamp API.

### CryptoKitty NFT Price Prediction

- Leveraged Python libraries such as Pandas, PyTorch, and TensorFlow to predict CryptoKitty NFT Prices by a 6% margin of error.
- Conducted image and data analysis to achieve a top 5/30 rank in Kaggle competitions.

### AI Enhanced Data Discovery in Tableau

- Utilized Python and OpenAI's ChatGPT-4 for data analysis on IMDB's top 1000 movies dataset.
- Presented possible business opportunities through Tableau visualizations focusing on Web3 applications in the film industry.

## EXPERIENCE

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### GroundUp Solutions – Los Angeles, California

*June 2023 – Present*

Founder, Lead Engineer

- Founded GroundUp Solutions to address technological disparities, offering vital tech solutions to underserved businesses.
- Led fundraising initiatives that raised over \$2,000, directly supporting the hosting and maintenance of web applications.
- Boosted monthly sales by up to \$4,000 through the deployment of a MERN stack and Shopify-based online ordering system for the Salas-Family restaurants, translating to an estimated additional profit of \$10,800 a year.
- Streamlined job assignments for S&J Legal Services with web-based applications built on Django, and Google's Route API.
- Consulted in the migration of NYTF's (National Yiddish Theater Folsbiene) website from WordPress to a MERN Stack web page.

### Alliance College-Ready Public Schools – Los Angeles, California

*August 2022 – March 2023*

Part-Time Recruiter

- Advocated and oversaw the integration of Grayscale into Greenhouse, automating communications and enabling instant candidate responses for appointment setups, enhancing the overall efficiency and responsiveness of the recruitment process.
- Screened and endorsed the upper 10% of candidates, fostering the onboarding of committed candidates who completed a full-year term with most renewing or advancing to new opportunities, indicating a significant decrease in false positive hires.

### La Unidad Latina Foundation – New York, New York

*June 2021 – February 2023*

Web Developer

- Analyzed front-end source code and collaborated with the marketing team to spearhead the member and donor page revamp.
- Managed the end-to-end development of crucial components like donation links and contact forms ensuring collection of funds.
- Met with supervisors and stakeholders to perform code reviews and ensure brand alignment before deploying changes.

## EDUCATION

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Santa Monica College, Computer Science

*June 2023 – December 2023*

General Assembly, Adobe Digital Academy Software Engineering Immersive Bootcamp

*March 2023 – June 2023*

University of California, Los Angeles, Chicano/a Studies & Sociology

*September 2018 – June 2022*