Cathal Paz
Software Developer

(917) 972-4960 | cathalpaz@gmail.com **|** NYC   [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS, Ruby (basic fundamentals)
Frameworks/Tools: React, Redux, Express, Flask, Django, Sequelize, SQLAlchemy, PostgresQL, AWS, Docker, Websockets
Key Skills: Git, Pair Programming, Scrum Methodologies, Agile Methodologies, Object-Oriented Programming (OOP), Test-Driven Development (TDD)

WORK EXPERIENCE

Backend-Developer| *CUBESEED Africa*   **September 2023 - Present**
- Improved Docker environment setup workflow for enhanced efficiency.
- Conducted backend site maintenance utilizing Django and managed noSQL database integration, optimizing system performance and user experience.

PROJECTS

Programazon | *E-commerce application (Flask, SQLAlchemy, React, Redux, AWS)*   [live](#) | [github](#)
- Constructed an Amazon inspired dynamic e-commerce platform integrated with AWS S3 buckets for efficient image storage.
- Designed a user-friendly front-end utilizing React and Redux to manage the application's state.
- Integrated a robust review system, allowing users to leave feedback and ratings on products, fostering community engagement to both shoppers and sellers.

Slacord | *Discord clone app (Flask, SQLAlchemy, React, Redux, AWS)*   [live](#) | [github](#)
- Collaborated with a team of 4 to recreate a fully functioning Discord clone, utilizing a git workflow and pair programming.
- Implemented websockets with Socket.io for real-time communication.
- Modeled data and API endpoints in the backend, utilizing Postman for tests.

join(Up) | *Coding community based application (Express, Node, Sequelize, PostgreSQL, React, Redux)*   [live](#) | [github](#)
- Developed database table models and established scopes for frequently used queries using Sequelize ORM.
- Implemented request validation and authorization using Express middleware.
- Utilized JSON Web Tokens (JWT) to ensure data security through bcrypt encryption, enhancing user authentication and safeguarding sensitive information.

CERTIFICATIONS

JPMorgan Software Engineering Job Simulation on Forage   **September 2023**
- Used JPMorgan Chase's open source library, Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

EDUCATION

App Academy \\ *Fullstack Development | Online*   **Completed 09/2023**
Binghamton University \\ *Neuroscience major | Binghamton, NY*   **2018 - 2020**