Johnny Avila

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EDUCATION

App Academy   Certificate in Software Engineering, 2022-2023
Northwestern University   Bachelor of Science in Political Science, 2017-2021

SKILLS

JavaScript (NextJS, React, Redux, Node.js, Sequelize), Python (Flask, SQLAlchemy), Relational DBs (PostgreSQL, SQLite), NoSQL DBs (Firebase), Web Dev (HTML, WebSocket), Styling (CSS, Tailwind)

EXPERIENCE

Software Engineer Intern   Fall 2023
Managers Club - *Software Engineering Blog built with NextJS, Strapi, Postgres, Prisma, and NextAuth*   **live**
- Migrating high traffic blog from WordPress to NextJS, enhancing site performance and scalability using NextJS server side rendering and static generation along with React Server Components.
- Developing a robust user authentication and authorization system, allowing users to securely sign up and sign in via Google, GitHub, Facebook, or passwordless email.
- Architecting a headless CMS solution by integrating content from Strapi, allowing for content editing, post scheduling, and management.
- Implementing responsive UI using TailwindCSS and Shadcn/UI, resulting in a clean and user-friendly design.

Open Source Software Engineer   Summer 2023
Notesnook - *End-to-end encrypted note-taking platform built with TypeScript, React, and Node / Express*   **live** | **github**
- Implemented user privacy feature for the platform's web application developed with TypeScript and React.
- Demonstrated ability to navigate and understand complex codebases by contributing to github repository featuring 18 contributors and over 7,000 stars.

FEATURED PROJECTS

Wavelength | Javascript, React / Redux, NodeJs, Sequelize, PostgreSQL, Websockets, Render   **live** | **github**
Real-time multiplayer word association game developed with React and Node / Express
- Developed a real-time communication system using Websocket for simultaneous gameplay and live updates.
- Implemented a relational database utilizing Sequelize as the ORM and PostgreSQL as the DBMS.
- Configured the Node.js backend infrastructure to handle HTTP requests and responses for CRUD operations.

Quoted | NextJS, Tailwind CSS, Firestore, JavaScript   **live** | **github**
NextJS powered web application that allows users to share and discover quotes
- Implemented a NoSQL database using Firestore to manage user and quote data.
- Utilized NextJS and Tailwind CSS to build a responsive UI.
- Leveraged Firebase cloud storage to store application media files.

GITHUB CODE (ADDITIONAL)

- **Water the Trees** | *Environmentalism platform built with React, Node, Mapbox, and Postgres*   **live** | **github**
  - Patched frontend components for open-source software with 22 contributors.
- *In Progress* **AI Tools for Content Creators** | *Aggregator site built with NextJS, Prisma, and Tailwind*   **live** | **github**
  - Implemented search feature for filtering PostgreSQL records by category and text query parameters.
- **Meetup Clone** | *Javascript, React / Redux, NodeJs, Sequelize, PostgreSQL, Render*   **live** | **github**
  - Created RESTful APIs, implemented robust authentication, and crafted responsive UI components.
- **Leetcode Solutions**   **github**
  - 100+ Python and JavaScript solutions to data structures and algorithms problems.
- **Crim Search** | *Chrome Extension built with JS, HTML, and CSS*   **live** | **github**
  - Developed to optimize and automate repetitive data extraction and storage tasks in paralegal work.