Johnny Avila

708-802-2105   avila.johnny11@gmail.com   GitHub | Portfolio | LinkedIn

EDUCATION

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

SKILLS

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

OBJECTIVE

Leveraging intensive software engineering training from App Academy with a background in political science from Northwestern University. Skilled in crafting responsive, user-centric solutions with both frontend and backend tech stacks. Driven to innovate and optimize in a software engineering environment.

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 Websockets for simultaneous gameplay and live updates.
- Implemented a relational database utilizing Sequelize as the ORM and Postgres as the DBMS
- Integrated Redux for fetching data from the backend server and managing application state.
- Configured the Node.js backend to handle HTTP requests and responses for CRUD operations.

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

EXPERIENCE

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

Paralegal   Sept 2021 - August 2023
CAIR Coalition   Washington, DC
- Supported and advised on committee overseeing the organization's transition from Salesforce to Legal Server.
- Facilitated weekly team meetings with attorneys, social services coordinators, and fellow paralegals.
- Managed communication with clients, client advocates, expert witnesses, and other case stakeholders.

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.
- **Leetcode Solutions**   **github**
  - Python and JavaScript solutions to data structures and algorithms problems.
- **Meetup Clone** | *Javascript, React / Redux, NodeJs, Sequelize, PostgreSQL, Render*   **live | github**
  - Created RESTful APIs, implemented robust authentication, and crafted responsive UI components.
- **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.
- **Slack Clone** | *Python, Javascript, React / Redux, Flask, SQLAlchemy, SocketIO, Render*   **live | github**
  - Enhanced backend code efficiency through polymorphic inheritance, enabled real-time chat messaging with SocketIO, and configured a relational database schema with Flask and SQLAlchemy.