Joseph Odeh

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SUMMARY

Aspiring Software Engineer with a Minor in Applied Computing, personal experience in full-stack development, and academic experience in object-oriented programming.

EDUCATION

B.S. Medical Studies May 2022
Arizona State University West, Glendale, AZ 4.00 GPA
Minor in Applied Computing May 2022
Arizona State University West, Glendale, AZ 4.00 GPA

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, C/C++, Java, Swift, Bash
Front-End: NextJS, ReactJS, React Query, TailwindCSS, HTML, CSS
Tools, Frameworks, Databases, and OS: Node, Vercel, tRPC, Prisma, Zod, Selenium | Electron | SQL, PostgreSQL, MongoDB, Railway | Git, GitHub, Windows, MacOS, Linux/Unix

WORK EXPERIENCE

Paradise Liquor Mini Mart, Phoenix, AZ: Software Developer 08/2021 – 05/2022
- Constructed a NoSQL, **MongoDB** database of **3000+** product images scraped from the web using Selenium WebDriver to be used by the store's eCommerce website on each product render.
- Maintained said database for the remainder of my time there for any necessary corrections and addition of data.
- Developed various scripting tools using **Python** and **Selenium** to craft and correct numerous Excel sheets of financial data.

RELEVANT PROJECTS

Authentication App, *Personal Project* | Demo | GitHub | Design September 2022
- Built a **NextJS,** mobile-first web app using the T3 Stack which includes **NextAuth** for authentication, **tRPC** for an end-to-end type-safe API built over **React Query**, **Prisma** to handle complex database queries and mutations in the backend, and **Tailwind** for styling according to a given **Figma** design.
- Constructed a **PostgeSQL** database using **Railway** for hosting and **Prisma** to design a type-safe schema for **TypeScript** type hinting.
- Persisted Sessions and User data in said database across multiple logins and according to login method via five integrated OAuth providers such as Facebook, Google, etc.
- Created a RESTful-based API using **tRPC** to create and verify user credentials and handle user data via **React Query** mutations.

Cat Wiki, *Personal Project* | Demo | GitHub | Design August 2022
- Built a **NextJS**, mobile-first web app based on The Cat API that displays cat information and user-submitted images by breed on statically generated pages using dynamic routing.
- Handled complex components such as a dropdown search input box and modals using **Headless UI** and **Tailwind** for extra styling according to a given **Figma** design.

Tip Calculator App, *Personal Project* | Demo | GitHub | Design September 2022
- Designed and devised a mobile-first web app with dark mode that calculates the tip for a given bill total and splits the tip and total across a given number of people.
- Built using **Create React App** at first but then ported to **NextJS** for increased maintainability and effortless integration with **Vercel** for deployment.

IP Address Tracker, *Personal Project* | Demo | GitHub | Design July 2022
- Built a **NextJS**, mobile-first web app that uses the IP Geolocation API to grab the geographical coordinates of the user's IP address or any domain / IP address submitted as input and then displays the location using a React Leaflet map.

ClipTess, *Personal Project* | GitHub July 2022
- Devised an open source and cross-platform application using the **Electron** framework that enables a user to copy text to their clipboard from an image using the screen capture tool which is then ran through Tesseract OCR for text interpretation.