

EXPERIENCE

Senior Frontend Engineer

Nov 2021 — Present

Credera

Houston, TX

- Served as a Frontend Engineer for a Tech Consulting firm working on 7 different client projects. Developed several sites and web apps, worked closely with client stakeholders, presented client demos, supported junior developers, and collaborated with designers and backend developers. Also supported BD efforts with scope estimation, vendor comparisons, and supported the creation of SOW's.
- Created a Gen AI Content Authoring Platform from the ground up using React, Ant Design, and CKEditor. The application decreased the time needed to draft legal and safety documents by providing AI content generation and other useful features such as an embedded PDF viewer, AI Chatbot, and Real-time collaboration.
- Rebuilt a legacy insurance shopping platform from .NET to Angular. The app allowed users to shop for insurance plans and create proposals to compare the different plans. The new app was delivered a much simpler user experience, faster performance, and was backwards compatible with the legacy app.
- Built out a React application from scratch to process customer refunds for a major airline. Created custom UI components for the application and documented them with Storybook. Conducted design workshops to gather feedback from client stakeholders and users of the old application.

Software Engineering Intern

June 2021 — Aug 2021

CAN Behavioral Health

Houston, TX

- Prototyped and built a web app to be used by medical offices and healthcare providers to store patient information, create surveys/questionnaires for patients, and provide diagnosis or treatment plans for patients
- Transitioned the front-end to use material UI components for better design consistency and created reusable react components for the application
- Converted app data from excel into Django models to be stored and queried faster

PROJECTS

Zoo Administration Web App

EJS, Node.js, MySQL

- Full Stack Web App simulating how a zoo would be ran behind the scenes. It features a customer facing site with an e-commerce shop and also a staff portal for viewing financial reports, data visualizations, and interfaces for managing animal health and inventory management
- The app uses server side rendering to serve a personalized experience based on the role of the user that logs in.

AI Chatbot

React, NextJS, MySQL, Langchain, AWS

- AI Chatbot that allows users to chat with data inside a sample movie database. The App is able to find information like what the most popular movie is, which actor appears in the most movies, and much more. The chatbot also returns the SQL query it used to find the information in the response.
- The app uses React and NextJS for the Front end with MySQL as the database and Langchain handling the AI prompts.

3D Modeling Mobile App

Qt, Node.js, mySQL

- Worked with a company called Xplorobot and a team of developers to create a mobile app that visualizes 3D Models for automating industrial inspections
- The app can display models with different textures like thermal to identify possible hazards in machinery
- The app was also created using TDD with almost full code coverage for both the front and back-end. It uses modern code testing tools like Mocha, Plato, and ESLint with a CI/CD Pipeline using Jenkins.

Gift Finder

React.js/Gatsby, Contentful, GraphQL

- Affiliate marketing Progressive web app that allows users to search for gifts to purchase and offers a small kickback from an affiliate link
- The app is built with Gatsby on the front end and integrated with Contentful CMS to allow for adding new products through a Web Interface

EDUCATION

Bachelor's in Computer Science , University of Houston, GPA: 3.66/4.00

Aug 2017 — May 2021

TECHNICAL SKILLS

Languages

Typescript, Javascript, Python, C++, HTML/CSS

Frameworks

React, Angular, Django, ExpressJS, NodeJS, NextJS, Storybook. Gatsby, Langchain

Database

MySQL, SQLite, MongoDB, Planetscale

Software

Git/Github, AWS (EC2, S3, RDS), Jenkins, Figma, JIRA, Docker, Contentful CMS

Other

Test Driven Development, CI/CD, SLDC, Agile Development, REST, SEO, Ubuntu, Material Design, UI/UX