



JACKIE SANTANA

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Summary

I'm an ambitious individual who is vehemently passionate about software engineering, front-end design, back-end development and everything else relative to technological culture.

Experience

Modis/Relx | Benbrook, TX

Software Engineer II

09/2021 - Current

- Developed a Search Query Tool for legislative records Using the GraphQL Framework Apollo Client.
- Provided optimization for the Informix TypeScript React Application using React hooks such as useMemo & useCallback hooks to preserve optimal Memory where as needed.
- Built a Edit/Update Existing Records Screen using GraphQL mutations & mutation resolvers on the apollo server along with Prisma as an Object relational mapping tool.
- Used Prisma Object relational mapping tool to connect to the MySQL database and perform SQL structured queries.
- Used git for version control & AzureDev Ops to store our source code & collaborate on Team projects and make pull request with 2 required reviewers for code reviews .
- Worked on assigned feature or bug tickets in 2 week sprints using Agile Methodology communicated my prior and daily activities in our daily stand ups using microsoft teams. Also did demo presentations for stakeholders monthly.

Brash Ent | Chesapeake, VA

Full Stack Web Developer

01/2021 - 09/2021

- Maintained The teams React Application on the AWS EC2 virtual private cloud server on a Debian Image Linux operating system. Used Docker containers for Deployment and NGINX for server web content and load balancing.
- Used docker not only for production but as a dev environment for utilization as a centralized operating system for all dev engineers which provided stability.
- Used Circle/Ci for Automated pipeline testing as a continuous integration/continuous delivery standard practice and formality.
- Built a custom WebPack configuration for development & production. The webpage was configured for React Typescript integration from scratch for optimal performance oppose to a

CRA bloated configuration file.

- Used Node Js Express framework's middleware to serve React Typescript Application on a HTTP server used in NGINX's configuration.
- Used Let's Encrypt as a SSL certificate, secured Linux Server with removing root, disabling default Ports, Set Up UFW Firewalls Rules & blocked All other Ports that were Not HTTPS, SSH or our Specific port and set remote logins with SSH Key Authentication Only.

Cold Fusion | Sugarland, TX

FullStack Developer

02/2020 - 12/2020

- Used Python as a microservice to Node JS. Python was used for script automation that handled CSV Exports in React Frontend as well as webscraping api data from internal resources & parsed into JSON data
- Used ajax for fetching the JSON data which enabled me to implement the data in string format as a GraphQL Query & Mutation Resolver
- Used Node JS Express Framework with TypeScript, TypeGraphQL Prisma Integration for a ORM with the PostgreSQL database.
- Used Agile Methodology and 3 weeks sprints
- Used slack to communicate with the engineers, designers & product manager.
- Attended weekly design meetings and product manager where I gave presentations on our React Front End Health Application as a portal for surgical procedural information and billing based on authentication, as well as a later on developed covid data api using the Python language as microservice for webscraping.

MRE Consulting | Houston, Texas

Full Stack Developer/Consultant

01/2019 - 01/2020

- I used GraphQL to query user data and added mutations to the database from GraphQL queries handled on the Frontend in React JS
- Experience developing and deploying applications using MySQL/MongoDB.
- Develop highly interactive web applications utilizing a custom React webpack, config in React Js with plugins for gzip and image compression for production which ensured high performance on Mobile and Desktop.
- Used Node Js which provided Search Engine optimization based on Google bots indexing algorithm.
- Created online sales training portal cross-platform using HTML, CSS & Vanilla Javascript along side with Apex in Salesforce CMS.
- This portal was built for training new sales staff apart of an Oil Rig company based out of SugarLand.

Enquire Solutions | Houston, TX

- Used Apex Chart.js for real time interactive data visualization

Node.js/UI Developer

01/2018 - 11/2018

in React Js Front End Application to show the companies sales gains/loss & expectation based on scientific data

- used Node Js to connect the front end React application to the back end
- Designed and developed custom MongoDB applications specific for client's needs.
- Implement modules into Node.js to to integrate with designs and requirements.
- Used Apollo-Server with Express integration to query JSON data and transfer the data to Apollo on the Client side in order to output the data.

RJS Associates Inc. | Glastonbury, CT

Full Stack Developer

05/2017 - 12/2017

- Experience in working with Redux using complex Object-Oriented concepts in improving the performance of the websites.
- Experience in using Angular Directives, Controllers, Filters, Services, Templates, Events and Injectors.
- Strong in using the Node.js and Express Framework in the development of the web application.
- Experience in working with REST API, template engines on server side for better SEO.

TouchSource | Glastonbury, CT

Python/Flask Developer

10/2016 - 04/2017

- Developed web applications in Flask frameworks Model View Control (MVC) architecture.
- Developed and designed an API (RESTful Web Service) for the company's website.
- Designed UI screens using Jinja in Templates, Ajax, Html, and JSON. Used Javascript for client side validation.
- Maintained customers relationship management databases (MySQL / PostgreSQL).

Zag Interactive | Glastonbury, CT

Front End Developer

06/2016 - 10/2016

- Analyzed UI/UX design for responsive layout for improved usability.
- Revamped UI and app interface for an e-commerce site with 200,0000+ unique visitors.
- Automated image optimization using parcel bundler and minified JS and CSS, with reduced page load times by up to 30%
- Collaborated with customers to determine needs and work through design options.

Skills

- HTML
- CSS | Sass | Bootstrap | Tailwind CSS
- JavaScript | Typescript
- React
- Vue.js
- GraphQL
- Go/Golang
- MongoDB | Redis
- Firebase
- MySQL | PostgreSQL

- Angular
- Gatsby Js
- Next Js
- Node.Js
- Express.js
- REST API
- Authentication
- Python | Flask | Django
- Docker
- Linux
- Continuous Integration & Continuous Delivery (Circle Ci) | Testing
- Cloud Computing | Virtual Private Servers (AWS, Linode, Digital Ocean)
- Wordpress

Websites, Portfolios

- <https://jackiesantana.net>
- <https://github.com/jackie1santana>