Kanna Vairavan

Github: /KannaVairavan | Portfolio: /KannaVairavan

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Technical Skills

JavaScript ES6+, CSS3, HTML5, Bootstrap, Foundation, jQuery, Node, Express, Sequelize, GraphQL, MVC, Mongoose, Handlebars, React.js, SQL, MySQL, NoSQL MongoDB, MERN Stack, Microsoft Access, Git, Heroku, Azure DevOps, C#, VB.NET, Visual Basic 6, vba

Summary of Qualifications

- Innovative thinker and talented full stack developer; able to work with tight deadlines and manage competing priorities; an ultimate team player with an impeccable work ethic
- Developed, implemented, and managed a well-functioning Liquid Allocation Management System (Main) application individually for 20 plus years across 80 plus projects.
- Experience participating in the design and creation of scalable production accounting applications for the Oil and Gas industry.
- Endeavoring to apply a 23-year track record of innovation and success creating and managing legacy software-based solutions to web development.

Technical Projects

Road Trippers | Role Played: Setup Routes, Dashboard development | Repo:github link | Deployed: deployed link
Technologies/Tools Used:
- Description: This application renders information about local parks, restaurants, tourist attractions, RV parks, and much more near their desired destination. Logged in user can save their trip to dashboard.
- Technologies Used: React JS, Material UI (CSS), Road goat API, Google places API, Map GL, MongoDB, mongoose, Axios, JSON Web Token, bcrypt, Bootstrap
- Responsibilities: Model development, route management and dashboard development.

CURATIO! | Role Played:Project lead, UI: views, Handled Routes| Repo: github link | Deployed: deployed link
Technologies/Tools Used:
- Description: Curatio allows the users to create a youtube playlist. Users have the option to watch the playlist videos and take multiple notes. This format helps the user organize their many hobbies and the resources they need to complete their projects.
- Technologies Used: Express.js, Handlebars, bcrypt, Sequelize, MySQL
- Responsibilities:Dashboard development, notes routes and views, routing management, login implementation, debugging

Tradify.io | Role Played:Team member | Repo:github link | Deployed: deployed link
Technologies/Tools Used:
- Description: Investors can access our platform Tradify to get up to the minute pricing data and insight in three financial markets (stocks, cryptocurrency, and foreign exchange markets) in one tool. Investors have the option to add their favorite stock or cryptocurrency for quick reference. Favorite stocks and currencies are saved in local storage.
- Technologies Used: HTML5, mobile first Foundation CSS, Javascript, jQuery, AlphaVantage API, Coinbase API, Local Storage
- Responsibilities:Build data storage functionality, build favorite stock functionality

Professional Experience

Aquila Engineering   **2021-2022**
Sr. Software Developer   *Houston, Texas*

- Worked as the liaison between Aquila and offshore vender from India (ECG), managing relationship with developer team, managed Monday and Azure DevOps scrum boards with all developers' questions
- Tested software for bugs and operating speed, ensured quality and functionality of the vender deliverables
- Build a restful API that fetches data from the client API server every minute. This process helped to monitor the oil rig's BOP status in real time.
- Worked on real time monitoring digital assurance cloud-based application with GraphQL, Node.js, Typescript, express, Sequelize and Angular.
- Assessed Azure billing and optimized virtual machine cost by reserving instances for consistent workloads, resizing or shutting down underutilized instances. This process reduced the cost by 20 percent.
- Learned OSIsoft PI AF System Basics.

Critical Control Energy Services   **2020-2021**
Manager, Technical Allocations   **Houston, Texas**

- Assessed CCES production allocation software
- Developed basic allocation calculation based on American Petroleum Institute (API) and Gas Processors Association (GPA) standards

SPL INC   **1998 – 2020**
Sr. Software Developer (2017 – 2020)   **Houston, Texas**

   Allocation Information Management System - SurePhase

- Managed delivery of SAAS cloud based complex multi-tiered component-based allocation software across all products Oil, Gas, water and NGL using Angular, Bootstrap, MVC, C#, Assure SQL server & Cosmos database
- Lead contact with solution architect to identify and develop project scope and objectives as well as documentation for each product
- Worked as the liaison between SPL and vendor, managing relationship with developer team
- Managed Azure DevOps scrum boards with all developers' questions
- Ensured quality and functionality of vendor deliverables by conducting unit testing

   Gas Allocation Management System, NGL Bank & Gas processing plant allocation

- Designed, developed, implemented and managed several custom NGL allocation software for several high-profile clients and generated NGL settlement statements report based on gas gathering and processing agreement.

Programmer (2003 – 2017)

Architect, Designed, developed and implemented several high profile complex multi-tiered gas allocation applications for 12 Deepwater Hub platform allocation and 7 Shale projects using .Net, visual basic 6, SQL, MS Access and Excel

   Gas Allocation Management System, NGL Bank & Gas processing plant allocation

- Create UI and Developed monthly/ daily complex component-based gas allocation for SPL'S most prestigious clients
- Generated several reports and custom electronic data deliverables based on the client's needs.
- Developed and maintain Discovery Gas Plant Projects, Mississippi Canyon Pipeline Project, Nautilus Pipeline gas plant processing projects and also developed 3 pipeline NGL banks in the Gulf of Mexico

Junior Programmer (1998 – 2003)

Architect, Designed, Developed and implemented complex projects for offshore and Deepwater liquid allocation management system with industry standard using Visual Basic as frontend, MS Access, SQL as backend tools.

   Liquid Allocation Management System (Main)

- Created liquid allocation management system to verify theoretical oil production at various location Metering point
- Developed Com integration with a third-party process simulation software for phase change calculation
- Generated QA tools to analyze source data and the end results, custom reports and electronic data deliverables.

Education and Credentials

Certificate in Full-Stack Web Development, 2021 – University of Texas   **UT Austin**

Bachelor of Science in Statistics, 1995 – Barathiyar University   **Coimbatore, TN, India**