

Kanna Vairavan

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Technical Skills

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

Summary of Qualifications

- Innovative thinker and talented full-stack web developer; able to work with tight deadlines and manage competing priorities; an ultimate team player with an impeccable work ethic
- Endeavoring to apply a 22-year track record of innovation and success creating and managing legacy software based solutions to the web development.
- Experience participating in the design and creation of scalable production accounting applications for the Oil and Gas industry, that did a multi-tier allocation of oil, gas, water and NGL allocation.
- Developed and managed a well-functioning Liquid Allocation Management System (Main) application for 20 plus years across 80 plus projects.
- Take projects from original concept through final implementation, interface with all areas affected by the project including end users, computer services, and client services. Responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact.
- Generated QA tools to analyze source data and the end results to ensure quality of the calculation.

Technical Projects

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

Tech Blog | Role Played: Design, development and implementation | Repo: [github link](#) | Deployed: [deployed link](#)

Technologies/Tools Used:

- Description: In this CMS-style blog application developers can publish their blog posts and comment on other developers' posts as well. This app follows the MVC paradigm in its architectural structure.
- Technologies Used: HTML5, CSS, JavaScript, jQuery, Node.js, Express, express-handlebars, express-session, handlebars, bcrypt, dotenv, Sequelize, connect-session-sequelize, mysql2
- Responsibilities: Designed, developed and implemented the whole application.

Professional Experience

Critical Control Energy Services

Manager, Technical Allocations

2020-2021

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

Sr. Software Developer (2017 – 2020)

1998 – 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 manage several custom NGL allocation software for several high-profile clients
- 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 needs.
- Developed and maintain Discovery Gas Pipeline and Gas Plant Projects, Mississippi Canyon Pipeline Project, Nautilus Pipeline gas plant processing projects
- Developed and maintained 3 pipeline NGL banks in the Gulf of Mexico.

Junior Programmer (1998 – 2003)

Architect, Designed, Developed and implemented complex projects for offshore, Deepwater and Shale 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
- Gathered oil, gas and water volumes from client as EDD for government and client reporting
- Created object-oriented forms for all data entry needs and performed volumetric oil allocation
- Generated QA tools to analyze source data and the end results
- Generated several caned MS Access 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