

# SAHAL V V

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## ABOUT ME

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A passionate MERN stack developer with extensive experience in building and maintaining web applications. I specialize in working with MongoDB, Express.js, React.js, and Node.js to create efficient, scalable, and user-friendly solutions. My expertise includes developing both front-end and back-end components and ensuring seamless integration throughout the application life cycle.

## TECHNICAL SKILLS

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**Frontend Technologies:** React.js, Redux, Redux Toolkit, HTML, CSS, Tailwind CSS, Bootstrap, Ant Design, MUI, Chart.js

**Backend Technologies:** Node.js, Express, JWT, Axios

**Languages:** JavaScript

**Database Management:** MongoDB

**Tools:** npm, EJS, Figma, Cloudinary, Postman, Razorpay, Swagger, Vite

**Deployment and Hosting:** Nginx, AWS (Amazon Web Services), Route 53, Vercel, Render

**Version Control:** Git, GitHub

## EXPERIENCE

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### SelfStack

Sep 2023 – Dec 2024

*Full Stack Developer Intern*

*Kozhikode, Kerala*

- Worked on over 20 mini projects and one major project, specializing in full-stack development with **MongoDB**, **Express.js**, **Node.js**, and **React.js**.
- Developed a full-stack application leveraging **JavaScript**, **HTML**, **CSS**, **MongoDB**, **Node.js**, and **Express.js** to streamline data processing and enhance user experience.
- Currently developing **QuickFix**, a full-stack service management platform using **React.js**, **Node.js**, **Express.js**, and **MongoDB**, featuring role-based access control for Users, Vendors, and Admins. Utilizing **JWT** for authentication and **Razorpay** for payment integration.
- Designed user interfaces using **React.js** and styled with **Tailwind CSS** for a modern and responsive user experience. Managed state effectively using **Redux**.

## PROJECTS

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### QuickFix | *React.js, Node.js, Express.js, MongoDB*

September 2024 – October 2024

- Developed a comprehensive service management application that supports three user roles: **User**, **Vendor**, and **Admin**, allowing for efficient service discovery and management.
- Implemented **JWT (JSON Web Tokens)** for secure user authentication, utilizing both **access** and **refresh tokens** to maintain session security and user experience.
- Utilized **React** for frontend development with **Redux** for state management, ensuring a dynamic user experience.
- Designed user interfaces with **Tailwind CSS**, ensuring a modern and responsive design across devices.
- Integrated **Razorpay** for secure payment processing, allowing users to make seamless transactions for services booked.
- Developed functionalities for **Users** to browse services, book appointments, and manage their profiles; **Vendors** to manage service listings and bookings; and **Admins** to oversee the platform, including user management and reporting.
- Built a robust backend with **Node.js** and **Express.js**, implementing **RESTful APIs** to handle user requests and manage data.
- Used **MongoDB** for scalable data storage, effectively managing user profiles, service listings, bookings, and transaction history.

- Frontend code: [QuickFix Frontend](#)
- Backend code: [QuickFix Backend](#)

**DryVitals.shop** | *Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, Razorpay*  
<https://github.com/sahal2255/DryVitals>

April 2024 – May 2024

- Developed a comprehensive e-commerce website designed to streamline the shopping experience for users and administrators, facilitating efficient management of product listings, user accounts, and secure payment processing.
- Utilized **Node.js** and **Express.js** for robust server-side operations.
- Implemented **MongoDB** for scalable and flexible data storage.
- Designed and implemented the front-end using **HTML**, **CSS**, and **JavaScript** to create a user-friendly interface.
- Integrated **Razorpay** payment gateway to facilitate secure and seamless transactions.
- Implemented JWT (JSON Web Tokens) for secure user authentication and session management, enhancing security across the platform.
- Hosted on AWS for reliable and secure access.
- Implemented MVC architecture to separate concerns and enhance maintainability.
- Incorporated role-based access control for users and administrators.
- Managed file uploads efficiently using Multer and stored images in Cloudinary for scalable and reliable file storage solutions.

**WeatherApp** | *React, OpenWeatherMap API*  
<https://github.com/sahal2255/WeatherApp>

June 2024 – June 2024

- Developed a weather forecasting application using **React** for the front-end.
- Integrated the **OpenWeatherMap API** to fetch and display real-time weather data.
- Implemented responsive design principles to ensure a seamless user experience across different devices.
- Used **react-select-async-paginate** for efficient and dynamic data loading in search components.

**Kanban To-Do** | *React, Redux, Node.js, Express, Git*  
<https://github.com/sahal2255/React-Kanban>

June 2024 – June 2024

- Developed a task management application using a Kanban board to streamline task organization.
- Utilized **Node.js** and **Express** for backend operations.
- Implemented **MongoDB** for database management.
- Used **React** for the frontend and integrated **Redux** and **Redux Toolkit** for state management.
- Implemented **React Router** for efficient navigation between different sections.
- Utilized **redux-persist** for persisting state across sessions.
- Utilized **react-beautiful-dnd** for drag-and-drop task management.
- Used **Axios** for backend communication.
- Deployed the application on **Vercel** for hosting.

**Vendor Parking Management System** | *React, Redux*  
<https://github.com/sahal2255/Parking>

July 2024 – July 2024

- Developed a car parking management system for vendors to streamline the booking and management of parking slots.
- Utilized **React** for building the user interface and **Redux** for state management.
- Implemented **React Router** for efficient navigation between different sections.
- Employed **redux-persist** to persist state across sessions.
- Used **Axios** for handling HTTP requests and managing API communication.
- Deployed the application on **Vercel** for hosting.

## EDUCATION

**Model Polytechnic College**  
*Diploma In Electronics Engineering*

Vadakara, Kozhikode  
*Aug. 2020 – May 2023*