Kalaivani S

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Career Objective

Full Stack Developer with industry experience at LetzBizz, specializing in MERN stack development. Seeking to apply my technical expertise and collaborative skills to build efficient, high-quality applications and contribute to organizational success.

Education

B.E / ECE
AAA College of Engineering and Technology, Sivakasi   9.03   2023

HSC
SNG Girls' Hr. Sec. School, Thiruthangal   80%   2019

SSLC
SNG Girls' Hr. Sec. School, Thiruthangal   97.8%   2017

Technical Skills

- **Front-End**: HTML5, CSS3, JavaScript (ES6+), JSX, Bootstrap, Tailwind CSS, jQuery, React.js, React Hooks, Redux (State Management), Responsive Web Design
- **Back-End**: Node.js, Express.js, RESTful APIs, NoSQL, MongoDB, PHP(basics), SQL, MySQL(basics)
- **DevOps & Deployment** : Render, Netlify, Vercel, GitHub Pages, CI/CD (basic)
- **UI/UX Tools**: Figma, Canva, Photoshop, Wireframing, Prototyping, User Research
- **Programming Languages:** Python, C, C#
- **Testing:** Manual Testing, API Testing, Jira, Postman, Playwright (Automation)
- **Version Control & Tools**: Git, GitHub, GitHub Actions, VS Code, Vite, npm, MS Office
- **Other skills** : Agile/Scrum Methodology, Problem-Solving, Collaboration, Documentation

Work Experience

LetzBizz | Full Stack Developer   *Dec 2024 – Present*
- Contributing to the development of the **Sharpsys Website**, focusing on creating a responsive, user-friendly, and performance-optimized web experience.
- Developed front-end interfaces using **HTML5, CSS3, Tailwind CSS, JavaScript, and React**, ensuring clean UI design and consistent branding.
- Built dynamic and interactive components using **React hooks, state management, and reusable component patterns**.
- Worked on backend features using **Node.js and Express.js**, including API integration, routing, and data handling.
- Integrated MongoDB for storing and managing structured data with efficient schema design.
- Collaborated with the design and product team to convert wireframes and requirements into functional features.
- Performed debugging, code optimization, and cross-browser testing to improve performance and reliability.
- Utilized Git and GitHub for version control and followed best practices in documentation and code structure.

Internship Experience

TEMS Tech Solutions | Software Development Intern   *Aug 2024 – Nov 2024*
- Assisted in software development using C# and SQL for backend systems.
- Conducted debugging and performance optimization.
- Documented technical processes and user manuals.

VeriTech Software Services | Web Development Intern   *Mar 2024 – Jun 2024*
- Developed responsive web pages using **HTML, CSS, JavaScript**.
- Created dynamic forms (login, registration, survey) with **MySQL database integration**.
- Collaborated on UI/UX improvements using **Figma and Bootstrap**.

Projects

Student Data Management System | Link
Technologies*: MongoDB, Express.js, React.js, Node.js, Postman, MongoDB Compass, REST API, Bootstrap
- Developed a full-stack MERN web application to manage student records (Name, Last Name, Email ID).
- Implemented CRUD operations (Create, Read, Update, Delete) using RESTful APIs and MongoDB as a database.
- Used Postman for API testing and MongoDB Compass for local storage management during development.
- Designed a responsive UI with Bootstrap and React components for a seamless user experience.

To-Do List Application | Link
Technologies*:* MongoDB, Express.js, React.js, Node.js, Postman, MongoDB Compass, REST API, Bootstrap, jQuery
- Built a task management web app allowing users to add, edit, mark complete, and delete tasks.
- Implemented dynamic UI updates using React state and hooks, ensuring smooth user interactions.
- Integrated backend with MongoDB to persist tasks and maintain data consistency.
- Deployed application to Render with environment-based API URL configuration for production readiness.

Weather App | Link
Technologies*:* React.js, JavaScript (ES6), CSS3, Flexbox, Media Queries, API, React Hooks (useState, useEffect, useRef), Vite
- Developed a responsive weather application that fetches real-time weather data using the OpenWeatherMap API.
- Implemented search functionality allowing users to view temperature, humidity, wind speed, and weather conditions by city name. Displayed dynamic weather icons based on the weather (sunny, rainy, etc.).
- Used JavaScript to handle API integration, data parsing, and DOM updates for a seamless user experience.

Personal Portfolio Website | Link
Technologies*:* HTML, CSS, JavaScript

- Created a responsive personal website to showcase skills, education, and projects.
- Implemented smooth scrolling, interactive sections, and clean UI/UX design principles.

Responsive Web Design Projects
- **Survey Form & Registration Form** –Designed user-friendly forms with proper validation and responsive layout using HTML5 and CSS3.
- **Tribute Page & Technical Documentation Page** – Developed static pages with semantic elements and accessible design for various screen sizes.
- **Product Landing Page & Cafe Menu** – Built responsive UI layouts using CSS Flexbox and Grid, focusing on visual hierarchy and layout structure.
- **Amazon Clone Page** – Created a clone of the Amazon homepage with responsive navigation, product listings, and basic styling.
- **Product Card** – Styled a reusable, responsive product component using Tailwind CSS's utility-first approach.
- **Contact Form -** Developed a contact form with backend validation and database storage using PHP, SQL (MYSQL).

Main Project: RC Controlled Tree Climbing and Harvesting Bot (Raspberry Pi)

Mini Project: Surveillance Spy Robot (ESP32 Cam Module)

Certifications

- Web Development – IBM
- Responsive Web Design –freeCodeCamp
- Google UX Design Professional Certificate – Coursera
- Foundational C# – freeCodeCamp
- Python Programming – Guvi Geek Networks, IITM Research Park
- Front-End Development (HTML) – Great Learning Academy

Achievements

- Ranked **1st /2nd /3rd** in the Department (2019-2023).
- Recognized as "**Most Outstanding Student**" (2019-2023 batch).
- Led a **District-level Volleyball Team** for 6 years.
- Presented research papers at **Two International Conferences**.

Additional Information

Languages: Tamil (Native), English
Hobbies: Chess, Volleyball, Photoshop Editing, Learning New Technologies