

MADHUBALAN S

FRONTEND DEVELOPER

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SUMMARY

Frontend Developer with 3 years of hands-on experience crafting responsive, scalable web applications using React.js, JavaScript, HTML/CSS, and Tailwind CSS. Adept at transforming UI/UX designs into seamless user experiences with a strong focus on performance, code quality, and maintainability. Passionate about delivering pixel-perfect interfaces and continuously evolving with modern frontend trends.

PROFESSIONAL EXPERIENCE

Sep 2023 - Present

Swithin & Sherwin Pvt Ltd

UI/UX Developer

- Independently designed and developed complete UI/UX layouts for three cross-platform applications using Flutter.
- Architected and delivered a scalable Flutter codebase from scratch, adhering to clean code principles and efficient state management.
- Actively collaborated with cross-functional teams to analyze requirements and deliver optimized UI designs aligned with project goals and user needs.

Jul 2022 - Sep 2023

DocEngage Informative Private Limited

Software Developer

- Implemented the UI/UX design for seven different modules.
- Added new features to the DocEngage application to make it more user-friendly.
- Worked on open tickets and fixed more than 2,000+ bugs.
- Managed test conditions and test cases and applied them in a practical environment.
- Worked closely with clients to establish problem specifications.

TECHNICAL SKILLS

Languages & Frameworks	: React, JavaScript, HTML, CSS, Tailwind, Bootstrap, Flutter
Version Control Tools	: Bitbucket, GitHub, SourceTree
Code Editing Tools	: Android Studio, VS Code, PyCharm
Design Tools	: Figma
Backend & Cloud Service	: Firebase, MySQL(basic)
Project Management tools	: Jira

EDUCATION

- **Bachelor of Engineering (B.E)** - Mechanical Engineering - 2018-2022 with an 8.4 GPA from Bannari Amman Institute of Technology, Erode.
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PROJECTS

Project #1 - UI Transformation in DocEngage Application

Role - Software Developer

Domain - Healthcare

Tools used - Sourcetree, Bitbucket, Pgadmin 4, VS code, Jira

Description

DocEngage is a web-based application created for the healthcare industry. Its main purpose is to streamline and automate the management of patient records, activities, and reports in hospitals and clinics. In addition, it includes CRM software that allows for the efficient management of lead records within a single application.

Roles & Responsibilities

- Executed the UI/UX design for seven different modules, such as designing the layout, color scheme, and functionality of each module to ensure that they are user-friendly.
- The following languages - HTML, CSS, jQuery, JavaScript, and SQL - were used to build the features of the DocEngage app.
- Implementation of the advanced search bar, pagination, filter, and page navigation within multiple modules.
- Used Bitbucket and SourceTree to maintain and commit the source code.
- Deployed builds to the AWS cloud platform using Elastic Beanstalk.
- Optimized the application for maximum speed and scalability.
- Assured that all user input is validated before submitting to the back end.
- Conduct thorough testing of user interfaces on multiple platforms to ensure all designs render correctly and systems function properly.
- Get feedback from and build solutions for users and customers.
- Write functional requirement documents and guides.

Project #2 - UI/UX design for E-Commerce Application

Role - UI/UX Developer

Domain - E- Commerce

Tools used - Android Studio

Description

Sherwin is a Mobile application built for E-Commerce platforms, where you can buy clothes, accessories, and fabrics. The main purpose of the application is to allow users to customize and purchase clothing.

Roles & Responsibilities

- Delivered the UI/UX design layout with interactive screens for a complete application.
- Engineered a new customization feature, enhancing the application's flexibility and user personalization options.

Project #3 - Farm Tracker
Role - Front-End Developer
Domain - Agriculture / Farm Management
Tools used - React, Firebase, Visual Studio Code

Description

A web application built for farmers who cultivate land on behalf of others. The app allows them to track and manage farming records such as time, equipment, payment mode, and ownership.

Roles & Responsibilities

- Designed and developed the entire frontend of the application using React, including form structures, navigation, and layout.
- Integrated Firebase for real-time database management and user authentication.
- Created a responsive and clean UI using standard CSS to ensure accessibility across all devices.
- Executed a custom form to log detailed farming activities like cultivator used, working hours, payment mode, and ownership details.
- Crafted data filtering and display so users can view records individually or based on selected criteria.
- Ensured a smooth user experience with organized data presentation, making farm tracking and management efficient and user-friendly.

CERTIFICATIONS

- React Certification - Completed at UniqTechnologies.
- Python Certification - Earned from Besant Technologies.
- Web Development Certification - Completed in-depth courses in HTML & CSS.

ADDITIONAL INFORMATION

Date of Birth - 29 Nov 1999
Passport Number - U2732872
Languages Known - English, Tamil
Address - Gobinathapuram, Omalur, Salem, Tamil Nadu - 636305.