Mahesh Narayanan

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Education

Kerala University   April 2018
Bachelor of Science in Computer Science   *Anchal, Kerala*
- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Linear Algebra w/Computational Applications (Python)

Technical Skills

Frontend: Reactjs, React Query, Redux, Context API, Typescript
Web Technologies: Javascript, Typescript, HTML5, CSS3, Tailwind CSS, Material-UI, Websocket communication
Tools DevOps: Git, Jest, Docker
Report Designer: Telerik
Others: Agile methodologies, Unit Testing, Performance optimization

Experience

Bv data solutions   January 2022 – Present
Front end Developer   *Kottayam, Kerala*
- Developed a responsive web application using React.js, Material-UI, and Tailwind CSS, enhancing UI/UX with modern design principles .

- Integrated Telerik Reporting for dynamic report generation, improving data visualization and accessibility .

- Collaborated with cross-functional teams in Agile environments, actively participating in sprint planning and retrospectives to optimize workflows .

- Ensured high code quality, performance optimization, and web accessibility compliance, adhering to industry best practices .

- Worked in Visual Studio Code, contributing to scalable, maintainable, and efficient front-end solutions.

- Engaged in sprint planning and retrospectives to enhance team efficiency and productivity.

- Managed and executed test cases using Jest in Visual Studio Code to ensure frontend code reliability .

Freelancer   November 2020 – December 2021
Software Developer   *Kollam, Kerala*
- Developed customized websites for clients based on their specific requirements, ensuring a user-friendly interface, responsive design, and seamless functionality .

- Worked closely with clients to understand their business needs, implemented best practices in web development, and delivered high-quality, scalable solutions using modern technologies. .

- . Passionate about clean code, UI/UX optimization, and web accessibility.

L2 India   August 2019 – September 2020
Software Tester   *Kollam, Kerala*
- Detail-oriented and methodical Manual Software Tester with experience in identifying bugs, ensuring software quality, and validating functionality against business requirements .

- Proficient in test case design, execution, and reporting, testing .

- Verified role-based access control (RBAC) to ensure secure authentication and authorization for different user roles (students, teachers, admin).

- Conducted cross-browser and cross-device testing to ensure compatibility across multiple platforms.

Projects

Maintenance Management System | *ReactJs, Typescript, MUI, Tailwindcss,*

- Maintenance Management supports the entire Maintenance team (e.g., maintenance manager, maintenance engineer, Technician) in the comprehensive planning, execution, tracking and documentation of maintenance activities .

- It provides the full set of maintenance management functions required to manage maintenance activities.

- Implemented a real-time Notification feature using WebSocket.

Inventory Management System | *ReactJs, Typescript, MUI, Tailwindcss*

- Inventory Management ensures smooth maintenance operations by effectively managing spare parts requisitioning and supply .

- It focuses on optimizing inventory levels, tracking product life cycles, minimizing obsolete stock, and ensuring compliance with technical requirements .

SAAS School Management System | *Manual Tester*

- Conducted functional, regression, and usability testing to ensure seamless performance of the School Management System.

- Designed and executed **test cases, test scenarios, and test plans** to validate core modules such as student enrollment, attendance tracking, fee management, and teacher portals. .

- Performed **API testing** using **Postman** to validate data integrity and backend interactions.

- Collaborated closely with developers and stakeholders to streamline testing processes and enhance software quality. .