THARUN PRASAATH R

Software Engineer

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Summary

Meticulous Software Engineer with 2.8 years of experience in designing and implementing scalable softwaresolutions. Proficient in Java, SQL, HTML, CSS, Bootstrap, JavaScript (ES6+), React.js, and Next.js. Experienced inSelenium WebDriver for automation testing. Known for effective communication, adaptability, and delivering resultsin agile environments.

Skills

Programming Languages

Python │ Java │ SQL (MySQL)

Web Development

HTML5 │ CSS3 │ JavaScript (ES6+) │ React.js │ Next.js │ Bootstrap │ Responsive Design │ Flexbox │ Tailwind CSS │ Integration

Testing Tools

Selenium WebDriver │ Automation Testing │ Functional & Regression Testing

Core Competencies

Problem Solving │ Communication │ Time Management │ Team Collaboration │ Agile Methodologies

Work Experience

Test Engineer
Aug 2022 - Present

Rockwell Automation Pvt Ltd
📍 Chennai

- Developed an Outlook Automation Tool reducing manual efforts by 50%.
- Led issue resolution in the Tire-Based Support Project, achieving a 95% success rate.
- Conducted daily system checks and bug fixes, increasing end-user satisfaction by 50%.
- Engineered modules for Factory MES and Factory Talk Production Center, enhancing system efficiency.
- Developed Associate Management System to boost team productivity by 50%.
- Improved UI responsiveness by 30% through performance optimization.
- Created test automation tools, improving test speed and coverage by 40%.
- Executed Selenium scripts, increasing bug detection by 80%.

Intern Trainee
Mar 2022 - Aug 2022

Rockwell Automation Pvt Ltd
📍 Chennai

- Assisted in developing basic UI screens within a modular framework under the guidance of senior developers.
- Wrote and executed basic SQL queries for data validation and retrieval tasks.
- Gained hands-on experience with Factory Talk Production Center software and learned its core industrial automation functionalities.
- Supported team in daily tasks and contributed to minor bug fixes and feature enhancements.
- Actively participated in learning sessions to understand software development best practices and system workflows.

Intern
Nov 2021 - Feb 2022

Elhaa Technologies Pvt. Ltd
📍 Coimbatore

- Designed user interfaces for E-Vahaan, increasing service quality by 25%.
- Debugged critical issues, improved module performance.
- Participated in agile sprints and refined features based on client feedback.

Projects

iOS Calculator Web Application

- Developed a dynamic calculator with modern iOS-style design and pixel-perfect responsiveness.
- Implemented arithmetic operations using optimized JavaScript functions to improve usability and performance.
- Designed mobile-first responsive UI using Flexbox for enhanced mobile user experience.

To-Do List Application - Static & Dynamic

- Built a static and dynamic To-Do list application to manage task creation, completion, and deletion efficiently.
- Integrated JavaScript DOM manipulation for real-time updates without page reloads.
- Enhanced code modularity and reduced redundancy, improving app maintainability by 80%.

Quiz Application

- Engineered a dynamic quiz platform generating randomized questions with real-time scoring system.
- Implemented modular architecture using JavaScript functions and event-driven programming.
- Optimized performance and responsiveness for both mobile and desktop users.

Food Order Application

- Built a food ordering platform with dynamic cart management and item selection using React.js hooks.
- Implemented modular component architecture improving maintainability and scalability.
- Enhanced user flow by optimizing re-rendering and load time.

Dynamic React To-Do List

- Built a feature-rich to-do app supporting dynamic task creation, deletion, and status updates.
- Utilized React hooks for state management and improved component modularity.
- Achieved fast, seamless UI experience on mobile and desktop devices.

E-Commerce Web App

- Built a responsive e-commerce frontend with product listings, cart management, and Stripe payment integration.
- Fetched real-time data via REST APIs and optimized page speed with Next.js static generation.
- Enhanced user checkout flow, improving performance and engagement rates.

7-Day React Self-Challenge

- Completed 7 mini React projects across 7 days, focusing on hooks, routing, and component-based design.
- Sharpened frontend coding speed, project structuring, and troubleshooting capabilities.
- Improved dynamic application-building skills by completing real-world mini apps.

Certification

JavaScript - The Complete Guide

- Beginner + Advanced course covering comprehensive JavaScript concepts

React - The Complete Guide

- Includes Next.js and Redux along with foundational React principles

HackerRank Skill Assessments: JavaScript (Basic, Intermediate), CSS (Basic), React (Basic)

- Successfully completed those skill assessments conducted by HackerRank, demonstrating proficiency in bothbasic and intermediate concepts.

Language

Tamil　　　　　　**English**

Education

BE Computer Science Engineering
Sept 2018 - May 2022

Sri Krishna College of Technology 📍 Coimbatore
7.4 CGPA

XII - HSE
May 2017 - May 2018

Golden Gates Higher Secondary School 📍 Salem
69%