

Nalini Udhayakumar

Pittsburgh | naliniu91@gmail.com | 412-413-0805

www.linkedin.com/in/nalini-udhayakumar | <https://github.com/nalwebdevelopment/>

PROFESSIONAL SUMMARY

Passionate and detail-oriented Web Developer with a strong track record of delivering high-quality web solutions throughout the Development Lifecycle (SDLC). Seeking opportunities to apply expertise in front-end and back-end development, project management, and team collaboration in fast-paced environments. Ability to work collaboratively and independently.

TECHNICAL SKILLS

- MERN STACK : JavaScript, Node.js, Express.js, React.js, MongoDB
- Automation Tools : Selenium WebDriver, Robot Framework
- API Testing Tools: Postman, Rest API, JMeter
- Management Tools: JIRA, Zephyr.
- Databases: MySQL.
- Programming Language: Java, Python, JavaScript
- Operation System: Windows.
- Build: Maven, Jenkins.
- IDE Versioning Control: Eclipse, PyCharm, Git Bash, GITHUB
- GUI tools: Word, Excel, PowerPoint.

CERTIFICATES

- Software Engineer - MERN Full Stack Developer PerScholas, Oct 2024
- ISTQB Foundation level Certification, March 2024
- Manual Testing & Automation Testing (Java & Selenium), March 2023
- Web Services using J2EE Technologies

EDUCATION

- Master's in information technology. Bishop Heber College, Bharathidasan University – India.
- Bachelor's in computer science. Seethalakshmi Ramaswami College, Bharathidasan University –India.

EXPERIENCE

Title: E-Commerce – Curb side pickup, **Dates:** Sep 2024, **Client:** Self

Github: https://github.com/nalwebdevelopment/Capstone_1

- Developed a **React-based web application** to streamline curbside pickups for retail stores, ensuring a seamless customer and staff experience.
- Implemented **user authentication** (Sign Up/Sign In) for secure access to customer and admin functionalities.
- Designed and built features to allow customers to **browse products, add items to the cart**
- Created an **admin dashboard** for product management, enabling administrators to **add, edit, and delete products** efficiently.
- Integrated functionality to **schedule curbside pickup slots** and manage real-time order updates for store staff.
- Utilized **React hooks** such as useState, useContext, and useRouter for state management and routing across the application.

- Engineered the backend using **Node.js and Express**, with a **MongoDB database** for secure and efficient data storage.
- Ensured a **responsive and user-friendly UI** for both customers and store staff, optimizing for multiple device types.
- Applied **Git version control** to track development progress and collaborate effectively.

Art Sphere Inc – Software Engineer(Volunteer), Jan 15 2025 – till date

- Assisted in the development and enhancement of a mobile/web application.
- Collaborated with a team to implement new features and improve user experience.
- Utilized mentioned technologies used, e.g., React Native, JavaScript to build and maintain the app.
- Tested and debugged applications to ensure smooth functionality.
- Identified and fixed bugs to improve performance and reliability. Gained hands-on experience in software development and teamwork

Nallas LLC, QA Engineer, June 2022 – May 2024

- Conducted comprehensive testing of web applications, ensuring functionality and performance.
- Collaborated with developers to identify, document, and resolve software issues, improving code quality.
- Developed and maintained automated test scripts, enhancing testing efficiency and coverage.
- Provided feedback and recommendations for improving user interface and experience.
- Involved in SCRUM Meeting – Daily Standup, Sprint planning, Sprint Review, Retrospective.
- Dedicated to gathering and analyzing business requirements, designing software architecture, writing and reviewing code, performing unit and integration testing, and deploying and maintaining the software product to ensure it meets user needs and quality standards.
- Designed and implemented a Selenium WebDriver automation framework from scratch for smoke and regression test suites using Maven, Cucumber, and JUnit, while performing BDD with Cucumber features, scenarios, and step definitions in Gherkin format.
- Performed back-end REST API end points using POSTMAN for all the possible positive and negative scenarios, validated the response code and response messages manually as per the user requirements and reported the bug in JIRA.
- Automated the REST API services around 200+ test cases using ROBOT Framework with Python with a data driven framework.
- Used GitHub remotely to push code changes and collaborate effectively across distributed teams.
- Jenkins to run automated test suites on every code change.
- Created weekly status reports and shared those in Scrum review meetings.

Sherlock Infotech, QA Analyst, June 2019 - July 2020

- Reviewed and understood the requirements (both **functional and non-functional**) by going through the specifications and inputs from business analysts
- Identified the test scenarios and writing the test cases by understanding the Software Requirement Specification document
- Performed Manual Testing process to ensure the quality of the product.
- Analyzed test specifications and converted them into Manual Test Cases.
- Performed and executed **SQL queries and Joins, Group By clause, having clause** etc. to validate the data.
- Prepared daily/ weekly status reports on Test case execution, defects, RTM etc.