

SUDHARSHAN SRINIVASAN

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SOFTWARE ENGINEER

Full Stack Developer with 5+ years of experience in Full Stack Development, building scalable, interactive web applications using **JavaScript, Node.js, and MongoDB**. Skilled in performance optimization and UI/UX improvements, with a strong record of collaboration in **Agile and cross-functional teams**, delivering high-quality, user-centric web solutions accessed by multiple clients and internal teams.

EDUCATION

University of Texas, Arlington, Master's in Science - Computer Science, GPA: 3.58 Aug 2019 – May 2021
Coursework: Web Data Management, Software Engineering, Algorithms, Advanced Database Systems, Advanced Software Testing

Anna University, Tamil Nadu, India, Bachelor of Engineering in Computer Science and Engineering, GPA: 7.74 Jul 2013 – Apr 2017
Coursework: Data Structures, Design and Analysis of Algorithms, Software Development, Object-Oriented Analysis and Design, DBMS

PROFESSIONAL EXPERIENCE

FORTRESS INFORMATION SECURITY, Orlando, FL | Software Engineer ([Website](#)) Jun 2021 - Present

Technologies: Meteor, HTML, CSS, Jade, Lodash, JavaScript, MongoDB

- Optimized internal tools for **Cyber Supply Chain and Asset Vulnerability Management**, reducing data processing time by ~15%.
- Refactored frontend JavaScript code modules using **Meteor** and **Lodash**, led updates to a Meteor-based vendor/client portal with Jade and MongoDB integration, **reducing load times by ~30%**, boosting performance, and improving content accessibility for multiple clients.
- Delivered solutions through full **SDLC**, collaborating with **5+ cross-functional team members** to ship high-quality releases on time.
- Integrated frontend with **backend APIs** and **MongoDB workflows**, handling high-volume data across the platform/portal.
- Implemented **RBAC access control** for the company's platform, conducted code reviews, and mentored **3+ junior engineers**, improving security and code quality.
- Contributed to **SBOM and HBOM initiatives**, enhancing software transparency and improving security and compliance across internal and client-facing applications.

MERCH, Orlando, FL | Full Stack Developer Intern ([Website](#)) Aug 2020 – May 2021

Technologies: HTML, CSS, JavaScript, TypeScript, XAMPP, WordPress CMS

- Designed and deployed dynamic front-end pages integrated with **WordPress Content Management System**.
- Reduced average page load time to **<5 seconds**, improving user retention and SEO.
- Increased **organic traffic by 20%** over a 3-month period, using topic clusters and SEO optimization.
- Integrated **APIs** for standalone applications to enhance customer experience and enabled customized storefronts for partner businesses.

COGNIZANT TECHNOLOGY SOLUTIONS, Chennai, India | Programmer Analyst Trainee Jan 2018 – Nov 2018

Technologies: Mainframes, COBOL, Jira, Kanban

- Developed and optimized backend jobs for **Policy Management Systems (PMSC)** in the insurance domain.
- Automated daily jobs, reducing manual intervention and improving execution times by **10%**.
- Implemented and deployed code changes on IBM Mainframe production servers.

SKILL SET

Languages: JavaScript (ES6+), TypeScript, Java, C/C++, PHP, SQL

Databases/Servers: MongoDB, MySQL, SQL Server, Tomcat

Frameworks & Libraries: Meteor, React, Angular, Node.js, Lodash, Express, NestJS, Laravel

Web Technologies: HTML5, CSS3, Jade, JQuery, XML, WordPress

Testing: JUnit, Selenium IDE/WebDriver, JaCoCo, Pitclipse

Tools & Platforms: Cursor, VS Code, Git, Eclipse, NetBeans, Studio3T, Agile (Jira, Kanban, Notion, Monday.com)

Operating System: Windows, Linux (Ubuntu)

AI Tools: ChatGPT, Claude, Gemini, GitHub Copilot, Grok

PROJECTS

PERSONAL PORTFOLIO WEBSITE – FULL STACK ([GitHub](#)) | XAMPP, MySQL, HTML, CSS, PHP, JavaScript

2020

- Built and deployed a responsive portfolio website on UTA cloud to showcase academic and professional work.
- Integrated backend with PHPMyAdmin for dynamic content management and streamlined content updates.

EVENT MANAGEMENT SYSTEM ([GitHub](#)) | Java, MySQL workbench, Junit, Selenium, Selenium IDE, Eclipse

2020

- Created a web app to manage event booking and cancellation using Java Servlet Pages.
- Performed Automation Testing using Selenium IDE and achieved **100% statement coverage** and Pit coverage.

SOFTWARE TESTING USING JAVA ([GitHub](#)) | Java, Junit, JaCoCo, Pitclipse

2019

- Performed **basis path testing** with MCDC criteria, achieving high code quality and test coverage.