

# SUDHARSAN SRINIVASAN

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**Full Stack Software Engineer** with **5+ years** of experience building scalable, high-performance, **API-first** web applications across front-end and back-end systems. Skilled in **JavaScript, TypeScript, React, Node.js**, and **modern UI/UX** practices including component-based architecture, state management. Experienced in **Agile** environments, delivering fast, reliable applications and improving system speed, usability, and **data workflows** for internal and external clients.

## PROFESSIONAL EXPERIENCE

Software Engineer | **FORTRESS INFORMATION SECURITY, Lewisville, TX** Jun 2023 - Present

- Deliver internal and client-facing features through full **SDLC**, integrating **React/Meteor UI** with **backend APIs** and **MongoDB pipelines**.
- Implement **RBAC access control**, to improve workflow efficiency and enhance system security.
- Mentor **3+ junior engineers**, lead **code reviews**, and contribute to **SBOM (Software Bill of Materials)** and **HBOM (Hardware Bill of Materials)** initiatives, improving code quality, transparency and security.
- Collaborate with major U.S. energy utilities and renewable energy providers, delivering secure software solutions tailored to their needs.

Associate Software Engineer | **FORTRESS INFORMATION SECURITY, Lewisville, TX** Jun 2021 - May 2023

- Participated and led **Scrum** ceremonies (sprint planning, daily standups, retrospectives) and leveraged **CI/CD pipelines** to streamline deployment and testing.
- Optimized internal cyber risk tools (~**15%** faster processing) and refactored UI components (~**30%** faster load) using **JavaScript, Meteor**, and **Lodash**, improving accessibility and client experience.
- Enhanced MongoDB workflows for smoother experiences across multiple clients.

Full Stack Developer Intern | **MERCH, Lewisville, TX** Aug 2020 - May 2021

- Built responsive, **SEO-optimized** front-end pages with **WordPress, HTML** and **CSS**, reducing load time **below 5 seconds**.
- 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.

Software Engineer | **COGNIZANT, Chennai, India** Jan 2018 - Nov 2018

- Developed and optimized **COBOL** backend jobs for **Policy Management Systems**, automating tasks to improve execution times by **10%**.
- Deployed code changes on **IBM Mainframe** production servers, ensuring reliable system batch operations.

## RELEVANT PROJECTS

**PERSONAL PORTFOLIO WEBSITE (Portfolio)** | React, TypeScript, Tailwind CSS, PostgreSQL, Vercel

- Built and deployed a modern personal portfolio website using **React and TypeScript**, to showcase academic and professional projects.
- Implemented full-stack contact form using **Supabase/PostgreSQL** and **serverless API** for storing submissions and sending emails.

**EVENT MANAGEMENT SYSTEM (GitHub)** | Java, MySQL workbench, Junit, Selenium, Selenium IDE, Eclipse

- 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

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

## SKILL SET

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

**Databases/Servers:** MongoDB, MySQL, SQL Server, PostgreSQL (Supabase), Apache Tomcat

**Frontend:** React, HTML5, CSS, Meteor, Lodash, Jade, Material UI, jQuery, Tailwind

**Backend:** Node.js, Express, NestJS, Laravel, XML, REST APIs

**Testing:** JUnit, Selenium, JaCoCo, Pitclipse

**Tools:** Git, Cursor, VS Code, Studio3T, Agile & Scrum (Jira/Kanban/Notion/Monday), Figma, CI/CD Basics

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

## EDUCATION

**Master of Science (Computer Science)** - University of Texas, Arlington

Aug 2019 - May 2021

**Bachelor of Engineering (Computer Science and Engineering)** - Anna University, Tamil Nadu, India

Jul 2013 - Apr 2017