

SUDHARSAN SRINIVASAN

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Full Stack Software Engineer with **5+ years** of experience building scalable, **API-first web applications** using **JavaScript, TypeScript, React, Node.js, and MongoDB**. Strong background in component-based UI architecture, state management, role-based access control, and performance optimization. Experienced in **Agile** teams delivering secure, high-impact solutions for enterprise clients.

EXPERIENCE

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

- Deliver internal and client-facing features end-to-end through the full **SDLC**, integrating **Meteor UI** with **backend APIs** and **MongoDB pipelines** to support core platform workflows.
- Implement **role-based access control (RBAC)**, reducing permission-related issues and manual approvals while improving security compliance.
- 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, reducing PR turnaround time by **10%**.
- Build secure, client-specific features for major U.S. energy utilities and renewable energy providers.

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, improving processing performance by **15%** using **JavaScript** and **Meteor**.
- Refactored UI components to reduce load time by **30%**, enhancing accessibility and overall client experience using **Meteor** and **Lodash**.
- Enhanced MongoDB performance by optimizing queries and implementing indexes, reducing data retrieval latency by **40%**.

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.

Programmer Analyst | 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.

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 a **serverless contact form** using **Supabase/PostgreSQL** with **automated email notifications**, ensuring reliable data persistence and secure form handling.

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.

SKILLS

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

Frontend: HTML, CSS, React, Tailwind, Meteor, Lodash

Backend & APIs: Node.js, Laravel, RESTful APIs

Databases: MongoDB, PostgreSQL (Supabase), MySQL, SQL Server

Testing: JUnit, Selenium, Pitclipse

Tools: Git, GitLab, VS Code, CI/CD (Continuous Integration / Continuous Delivery), Agile, Scrum, Jira, Figma, GitHub

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