

# SUDHARSAN SRINIVASAN

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

## EXPERIENCE

**Software Engineer** | Fortress Information Security | Lewisville, TX | Jun 2023 - Present

- Deliver end-to-end internal and client-facing features using **Meteor, backend APIs, and MongoDB pipelines**.
- 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

- Led **Scrum** ceremonies (sprint planning, daily standups, retrospectives) and leveraged **CI/CD pipelines** to streamline deployment and testing.
- Optimized **JavaScript/Meteor** cyber risk processing and refactored UI components (**Lodash**), improving performance **15%** and load time **30%**.
- 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

**JOBFLOW AUTOMATOR** ([GitHub](#)) | TypeScript, Node, Playwright

- Created a **TypeScript/Node + Playwright automation pipeline** that gathers job leads, auto-completes application forms, validates inputs with **Zod**, and **records submissions to CSV** to reduce manual job application process by **75%**.

**PERSONAL PORTFOLIO WEBSITE** ([Portfolio](#)) | React, TypeScript, Tailwind CSS, Supabase/PostgreSQL, AWS Lambda, Vercel

- Built and deployed a modern personal portfolio website using **React and TypeScript** to showcase projects and professional experience.
- Implemented a **serverless contact form** using **Supabase/PostgreSQL** and **Nodemailer** for secure message delivery and data persistence.
- Deployed a serverless **Projects REST API** using **AWS Lambda (Function URL)** integrated with **Supabase**, including **CORS + environment variable configuration** for browser-safe access and **Docker/Nginx containerization** for consistent local and production-like runs.

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

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

## SKILLS

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

**Frontend/Backend:** HTML, CSS, React, Tailwind CSS, Meteor, Lodash, Node.js, Laravel, RESTful APIs

**Cloud/Deployment:** AWS Lambda, Vercel, Docker (multi-stage builds), Nginx (static hosting/reverse proxy)

**Databases/Testing:** MongoDB, PostgreSQL (Supabase), MySQL, SQL Server, Playwright, JUnit, Selenium, Pitclipse

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

## 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