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.

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 **role-based access control (RBAC)** 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, 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.

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 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.

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: Python, Node.js, 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
Productivity & 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