

SUDHARSAN SRINIVASAN

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Full Stack Software Engineer with 5+ years of experience building scalable web applications using **JavaScript/TypeScript, Meteor, React and Node.js**. Expertise in **API development, AWS Lambda** cloud architecture, **MongoDB** optimization, and **AI/LLM integration**, delivering secure, high-impact solutions for enterprise clients in **Agile** environments.

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**, through the full **SDLC**.
- 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

- Built **CLI automation tool using TypeScript, Node.js, and Playwright** that **reduces manual job application process by 75%** through intelligent form pre-filling automation and CSV-based job tracking across **3 job boards/platforms**.
- Implemented dynamic selector strategies, **Zod validation**, and async wait conditions to reliably handle varied and changing form structures.
- Designed a **human-in-the-loop workflow** balancing automation with quality control while preserving final user review and submission.

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

- Built a React/TypeScript portfolio with an integrated **Llama 3.1 LLM-powered** chat enabling natural-language Q&A on experience and projects.
- Engineered prompt handling and response streaming to enable **AI-driven conversational exploration** of professional background and skills.
- Implemented a **serverless contact form** using **Supabase/PostgreSQL** and **Nodemailer** for secure message delivery and data persistence.
- Deployed **serverless Projects REST API** using **AWS Lambda** and **Supabase** with **CORS** and **environment configuration** for secure browser access.
- **Containerized** application using **Docker multi-stage builds** and **Nginx** for consistent deployment across local and production environments.

SKILLS

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

Frontend: HTML, CSS, React, Tailwind CSS, Material UI

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

Cloud/DevOps: AWS Lambda, Vercel, Docker, Nginx (static hosting/reverse proxy), CI/CD (Continuous Integration / Continuous Delivery)

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

Tools: Git, GitLab, VS Code, 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