

Santhosh S

✉ santhoshs.sivakumar@gmail.com ☎ 7550055797  LinkedIn  Github

EDUCATION

Chennai Institute Of Technology, B.E. Computer Science and Engineering

2022 – 2026 | Chennai, India

PROFESSIONAL EXPERIENCE

Flowtrik Technologies | Full Stack Developer

12/2023 – 01/2024 | Chennai, India

- Engineered the admission login interface for a React-based biometric system, delivering seamless user access for the admin portal.
- Integrated JWT authentication with role-based access control, reinforcing session security and reducing unauthorized access incidents by 40%.

Getmax Solutions | Front End Developer

11/2023 – 12/2023 | Chennai, India

- Developed and optimized core React.js web pages for the company site, enhancing load performance and experience for 50+ active users/day.
- Leveraged Redux and Context API for efficient state handling, decreasing UI glitches and re-renders by 30%.

Niraltek Solutions | Software Tester

04/2023 – 06/2023 | Chennai, India

- Conducted cross-platform testing of IoT-integrated devices using Selenium, validating both physical and software performance.
- Automated 100+ test cases, cutting regression testing time by 25% and improving deployment reliability for IoT solutions.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C, HTML5, CSS3, SQL

Frameworks: Spring Boot, React.js, Next.js, Redux, Node.js, Express.js, Angular.js, Django, Flask, Vite.js, Tailwind CSS

Tools: Git & GitHub, Docker, Postman, Power BI, Colab, Figma, VS Code, Android Studio, Visual Studio Code, JUnit, Jira, Trello

Databases: MongoDB, PostgreSQL, MySQL, Firebase | Cloud & Devops - AWS(S3,EC2,RDS), Kubernetes, Jenkins

PROJECTS

Enterprise Task & Project Management System, React.js, Spring Boot (Java), PostgreSQL, Docker, AWS EC2 & RDS, JWT, Redux, JUnit, Jest

- Designed, developed, tested, and deployed a full-stack project management solution enabling real-time task tracking, multi-role dashboards (Admin, Manager, Employee), and team collaboration using Spring Boot APIs and a React.js interface.
- Implemented object-oriented programming principles and secure JWT-based authentication, with performance-optimized queries and Dockerized microservices deployed on AWS EC2/RDS.
- Wrote unit and integration tests using JUnit and Jest, and provided complete technical documentation, including UML diagrams and API usage guides for scalable enterprise adoption.

Client Relationship Management (CRM) System with Notification Engine,

React.js, Node.js/Express.js or Spring Boot, MongoDB, Redis, Tailwind CSS, AWS S3, WebSockets, Postman

- Built and improved a dynamic CRM platform for managing clients, leads, and communication workflows, with a fully responsive UI and backend integration using RESTful services.
- Integrated real-time notifications (WebSockets), automated follow-up reminders, document uploads to AWS S3, and Redis caching for enhanced read performance and scalability.
- Executed test-driven development with Postman, and maintained version-controlled code with Git, along with comprehensive API documentation for internal teams.

Inventory & Order Management System,

React.js, Spring Boot (Java), MySQL, Docker, AWS (EC2, S3), JWT, Redux, PDFKit, JUnit, Selenium

- Collected and analyzed business requirements to develop a robust inventory system supporting order creation, supplier management, low-stock alerts, and invoicing for small businesses.
- Followed software architecture principles and OOP concepts in Spring Boot; secured endpoints with JWT and handled file generation/uploads (PDF invoices + AWS S3).
- Applied unit testing (JUnit) and end-to-end testing (Selenium) to validate order processing, invoice generation, and authentication flows; delivered detailed project documentation and user manuals.

CERTIFICATES

- AWS Cloud Practitioner Certification(CLF02)- AWS
- The Complete Web Development Bootcamp 2023 offered by Udemy.
- Meta Front-End Developer Professional Certificate
- Introduction to Cybersecurity, networks, packet tracer, Networking Essentials offered by CISCO.

COMPETITIVE PROGRAMMING

LeetCode

- I have solved **800** problems on LeetCode and achieved a contest ranking of **1,623**, with a maximum rating of **1,670**. My overall rank is **41,163**, and my contest ranking stands at **132,733**.

ACHIEVEMENTS & VOLUNTEERING

PROMOTION TEAM HEAD | HACKERZ'25

- Led the promotion team for the events, managing strategy, content creation, and outreach to ensure maximum visibility and engagement across various platforms

VICE PRESIDENT | IEEE Computer Society CIT

- Collaborated with IEEE to strategize society growth and strengthen industry-academic relationships through networking opportunities

Uniqcore Hackathon

- Runner Up - Developed an AI-driven web app for automated construction budget calculation.