Santhosh Dhandapani
Staff Software Engineer

- Chennai, India
- +91 9962242274
- san.itsnew@gmail.com
- Portfolio

Profiles
- LinkedIn Profile
- Github Profile

Skills

Frontend Development

React.js, React Native, JavaScript (ESNext), TypeScript, Redux, Zustand, RTK Query, MobX, Leaflet.js, D3, Android

UI Libraries & Build Tools

Tailwind CSS, Material-UI, Bootstrap, Vite, Webpack, Babel, ESLint, Prettier

Testing & Quality

Jest, Playwright, Test Café, Cucumber (BDD), Enzyme, Appium

Backend & Database

Node.js, Express.js, Nest.js, MongoDB, MySQL, DynamoDB

API & Integration

REST APIs, GraphQL, WebSockets, MQTT

Cloud & DevOps

AWS Lambda, S3, CloudWatch, Docker, Jenkins, CI/CD, Elasticsearch

Awards

Engineering Excellence
Walmart Global Tech India
2023-2024

Global Techathon - Finalist
Walmart Global Tech India
2023-2024

Operational Excellence Award
Walmart Global Tech India
2022-2023

Best Team Performance
Walmart Global Tech India
2022-2023

Best Performer - Spark Award
Infinite Computer Solutions
2018-2019

Certifications

Systems Design
AlgoExpert
October 2024
- Certification

Generative AI for Everyone
Coursera (DeepLearning.AI)
October 2024
- Certification

Programming with JavaScript
Coursera (Meta)
January 2024
- Certification

AdobeXD - Design & Prototype
Udemy
January 2020
- Certification

Interests

Chess

Badminton

Swimming

Gaming

Languages

English
Professional Working Proficiency
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Tamil
Native Language
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A Lead Software Engineer with 13+ years specializing in **Frontend Development** across dynamic web, desktop, and mobile applications. Proven expertise in all stages of the development lifecycle with strong background in architecture, implementation, team leadership, and project management.

Committed to quality-driven development through methodical planning, algorithmic design, comprehensive testing, continuous code reviews, and collaborative peer discussions. Strong advocate of crafting robust solutions rather than rushing to implementation, ensuring scalable and maintainable codebases that deliver measurable business impact across enterprise-scale applications.

Experience

FourKites — July 2024 to Present
Staff Software Engineer

Technologies: React.js, JavaScript (ESNext), Redux, RTK Query, Leaflet.js, Chart.js, Claude AI, GitHub MCP, Figma MCP

- Developed real-time data visualization dashboards with reusable chart utilities and drag-and-drop interfaces, leveraging Figma MCP for design-to-code workflows and Claude for widget generation.
- Built advanced GIS interactive Leaflet-based polygon editor with complex transformations (rotation, scaling, shear/tilt) using AI-assisted development workflows.
- Architected dynamic product customization system with license-based feature management and role-based access control that dynamically renders lighter application versions based on license tiers and user permissions.

Key Achievements:
- Reduced client implementation costs by 70% through GIS automation eliminating manual site surveying
- Increased market penetration by 40% through tiered product offerings for mid-market customers
- Accelerated sales cycle for prospects requiring real-time visualization capabilities

Walmart Global Tech India — October 2020 to July 2024
Senior Software Engineer (Technical Lead)

Technologies: React.js, React Native, Node.js, NestJS, AWS, MongoDB

Campus Application (2021 – 2024)
- Led development of employee engagement platform serving 50,000+ associates for career management, finances, learning, and team collaboration
- Built cross-platform solution (mobile & desktop) and collaborated with distributed US/India teams
- Mentored team of 6 engineers, established coding standards and best practices

Sam's Club Applications (2020 – 2021)
- Enhanced and maintained Membership Express & Safety mobile applications serving 1M+ active users

Key Achievements:
- Architected multi-regional content delivery system with frontend SDK and intelligent caching using Adobe AEM CRM
- Enabled global scalability through multi-language support and region-specific optimizations across different image resolutions
- Collaborated extensively with distributed US teams and cross-functional stakeholders to drive feature development and delivery

Publicis Sapient — October 2019 to October 2020
Senior Associate Experience Technology (Technical Lead)

Client: Lowe's Inc | **Technologies:** React.js, Node.js
- Developed enterprise-scale inbound supply chain management application hub
- Collaborated with onsite teams and merchandising stakeholders to deliver critical business features

Infinite Computer Solutions — 2018 to September 2019
Technical Lead

Product: WIO Cloud-based Premium Wi-Fi Platform | **Technologies:** React.js, React Native, Node.js
- Designed and implemented scalable SaaS platform for premium Wi-Fi providers, featuring cross-platform compatibility (mobile/desktop).
- Implemented comprehensive testing strategy (BDD with Cucumber & Test Café)
- Developed automated deployment pipelines using Postman automation scripts
- Implemented structured mentoring program featuring regular code reviews, technical presentations, and peer discussions, successfully advancing junior developers to mid-level engineering positions

Renault Nissan Technology and Business Centre India — 2017 to 2018
Assistant Manager

Project: Connected Cars SDK Development | **Technologies:** Android, Java
- Core team member developing connected car solutions for Renault-Nissan-Mitsubishi alliance
- Worked under leadership of Mathias Seguy (Android expert and DroidCon speaker)
- Contributed to next-generation automotive connectivity features for global markets

Market Simplified India Pvt Ltd — 2014 to 2017
Senior Software Engineer

Technologies: Java, Android, React.js, Electron, PHP
- **Smart D Business:** Developed comprehensive restaurant management solution (mobile, tablet, desktop) with POS systems and analytics, helping 100+ restaurants increase revenue by 25%
- **Smart D Foodie:** Built real-time food ordering platform with dynamic menu management, optimized image caching, and integrated tracking systems for seamless application experience.

Dunlysis Consultancy Services — August 2012 to July 2014
Project Lead

Technologies: PHP, HTML, CSS, JavaScript, CodeIgniter
- Led UK client projects including OakLeaf Partnership (HR platform), Five Guys UK (contact management), and restaurant booking systems
- Managed Chennai-based development team ensuring 100% on-time project delivery

Education

Prince Shri Venkateshwara Padmavathy Engineering College — 2012
Information Technology — B.Tech