



# Santhosh Dhandapani

Staff Software Engineer

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- 🔗 [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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Staff 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