

AARTHI TAMILSELVAN

SENIOR SOFTWARE ENGINEER

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SUMMARY

Accomplished React Developer with 4+ years of experience building dynamic, user-focused web applications using React, Redux, and TypeScript, with foundational experience in Java (Spring Boot) and .NET. Recognized for quickly adapting to new technologies and delivering efficient, user-centric, and AI-enhanced solutions.

TECHNICAL SKILLS

AI Development	TypeScript	Ionic React	Git, GitHub
React	HTML, CSS	Java (Spring Boot)	Postman
Redux	CSS	.NET(C#)	Agile/Scrum
JavaScript	Tailwind CSS	PostgreSQL	Jira

PROFESSIONAL EXPERIENCE – IDEAS2IT TECHNOLOGIES (CHENNAI)

Automobile (IdeaRX) – Cross-Platform Mobile App

Mobile Application | Ionic React, Spring Boot, PostgreSQL

Developed a cross-platform app for officials to monitor real-time business metrics such as sales, service performance, and P&L. Built the frontend with Ionic React and backend with Spring Boot, integrating APIs and optimizing performance. Managed end-to-end deployment to App Store and Play Store, performed QA fixes, and maintained version control using Git.

Recruitment (Sequence Builder) – Recruitment Automation Tool

Web Application | React, TypeScript, Redux, TailwindCSS

Built a candidate outreach tool automating LinkedIn connect requests and personalized email sequences. Implemented the frontend with React + TypeScript, state management with Redux, and optimized UI using TailwindCSS. Collaborated on RESTful API integration, resolved QA issues, and maintained Git-based version control.

HRMS (ChatBot) – Employee Management Portal

Full-Stack Web Application | React, Spring Boot, PostgreSQL

Worked on employee management portal handling leave requests, loans, tickets, attendance, announcements, and Docker points. Built backend APIs with Spring Boot and a responsive frontend with React. Designed modules for announcements and Docker points tracking, ensuring seamless UX and data integrity.

Healthcare (RehabConnect) – Clinical Documentation System

Windows Application | .NET, JavaScript, MS SQL Server

Developed a clinical documentation system to track patient progress across 60+ templates in compliance with IRF-PAI standards. Implemented CRUD functionalities and a notification feature for Physician approvals/rejections. Handled backend logic and database integration, tracked tasks via JIRA, and followed Agile methodologies with active participation in sprint ceremonies and QA deployments.

INDEPENDENT LEARNING PROJECTS

PaisaMind

AI-Assisted Full-Stack Web App | React, Spring Boot, PostgreSQL, Twilio

Conceptualized and engineered a collaborative family shopping and wishlist app enabling users to categorize items (“Do It”, “Maybe”, “Wish”) and receive automated SMS birthday reminders via Twilio. Built with React 18 + TypeScript and Spring Boot 3, integrated secure REST APIs, and followed an AI-driven development workflow using Cursor AI, .cursor rules, and structured documentation (PRD, API, DB, Notification specs). Deployed with Docker and Render for a scalable and maintainable setup.

CERTIFICATIONS

- Agentic AI – DeepLearning.AI: Learned AI agent design, autonomous decision-making, reinforcement learning principles, and practical AI applications.

EDUCATION

- Bachelor of Engineering, Panimalar Institute of Technology, Chennai – 2020 | 77%
- HSC (12th Grade), Velammal Matric Hr. Sec. School, Chennai – 2016 | 88%
- SSLC (10th Grade), Velammal Matric Hr. Sec. School, Chennai – 2014 | 98%