

# Soundar Murugan

soundarmurugan.com

Bengaluru, India (Open to remote roles)

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## PROFILE

Senior Frontend Engineer with 4 years of experience building high-performance web applications. Expert in **React.js**, **TypeScript**, and **Web Performance Optimization**. Specialized in architecting complex data grids, reducing Time-to-Interactive (TTI), and migrating legacy codebases to modern React standards.

## EXPERIENCE

### • Candescient (formerly NCR Corporation)

*Software Engineer II*

Bengaluru, India

Apr 2024 – Present

- **Modern Web Migration:** Led the strategic overhaul of the legacy Transactions module to **React + TypeScript**, eliminating 10+ critical UI defects and modernizing the codebase.
- **Frontend Performance Architecture:** Optimized the data fetching layer by implementing an aggregation strategy (BFF pattern) that reduced client-side network waterfall requests by **40%**.
- **Design System Implementation:** Standardized UI components across internal dashboards, ensuring consistent accessibility (WCAG) and reducing UI development time for new features.
- **Complex Data Visualization:** Designed and implemented high-performance data grids with virtualization to handle large transaction datasets without UI jank.

### • Candescient (formerly NCR Corporation)

*Software Engineer I*

Bengaluru, India

Jul 2022 – Mar 2024

- **Enterprise Admin Portal:** Owned the end-to-end frontend development of a self-service portal used by **5,000+ users**, featuring complex form validation and role-based access control.
- **Chatbot UX Optimization:** Improved widget responsiveness by implementing **debouncing**, optimistic UI updates, and CSS animations to lower perceived latency.
- **Process Automation:** Scripted automated workflows to onboard 100+ clients, reducing manual configuration time by **80%**.

### • Factri.AI

*Frontend Intern*

Bengaluru, India

Feb 2022 – Jun 2022

- **Reusable Component Library:** Built a deeply nested **Table Component** with server-side pagination and dynamic filtering.
- **Dashboard Features:** Implemented seamless PDF export functionality and QR code generation workflows.

## AI & OPEN SOURCE PROJECTS

- **MCP Server for Mastodon (LLM Agent):** Built a backend orchestration layer enabling LLM-driven agents to map natural-language intents to Mastodon API actions using Python.
- **Portfolio Site:** Deployed a personal portfolio site with responsive UI and performance tuning.

## SKILLS

- **Core:** React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Next.js
- **State & Performance:** Redux Toolkit, Context API, React Query, Web Vitals, Lazy Loading
- **Testing & Tools:** Jest, React Testing Library, Webpack, Vite, Git, Docker
- **Certifications:** GCP Associate Cloud Engineer