Soundar Murugan

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PROFILE

Fullstack Product Engineer with nearly 4 years of experience architecting scalable web and mobile solutions. Specialized in **React Native performance**, **TypeScript SDKs**, and **NestJS BFF** architectures. Proven track record of owning core product modules from design to deployment, reducing technical debt, and improving NPS by 15%. Certified in GCP and Deep Learning.

EXPERIENCE

- **Candescent (formerly NCR Corporation)** — Bengaluru, India
  Software Engineer II — *Apr 2024 – Present*
  - **Architected Mobile-First BFF:** Designed the Backend-for-Frontend (BFF) using **NestJS**, implementing **Redis caching** and **JWT auth**, which reduced mobile API latency by **40%**.
  - **React Native Performance:** Developed the "Accelerate Mobile" module and optimized transaction flows, directly improving mobile **NPS by 15%**.
  - **Mobile Extensibility SDK:** Authored an internal TypeScript NPM SDK used by 5+ teams, standardizing integrations and accelerating feature rollout by **30%**.
  - **Transactions UI Overhaul:** Led the React + TypeScript migration, fixing 10+ critical UI defects and shipping transaction grouping features that reduced support tickets.

- **Candescent (formerly NCR Corporation)** — Bengaluru, India
  Software Engineer I — *Jul 2022 – Mar 2024*
  - **Self-Service Tool:** Built a React + Node.js self-service portal used by **5,000+ users**, reducing support and developer workload by **70%**.
  - **Onboarding Automation:** Engineered Python automation scripts to streamline client onboarding, reducing manual effort by **80%** for 100+ clients.
  - **Chatbot UI Optimization:** Enhanced frontend responsiveness via debouncing and animation tuning; collaborated with backend teams to ensure low-latency autocomplete.

- **Factri.AI** — Bengaluru, India
  Fullstack Intern — *Feb 2022 – Jun 2022*
  - **Complex Data Visualization:** Built a deeply nested, high-performance table component with dynamic pagination APIs.
  - **Automated Document Generation:** Implemented server-side PDF export using Django templates and automated QR code generation for 1K+ products.

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 & CERTIFICATIONS

- **Languages**: TypeScript, JavaScript, Python, SQL

- **Frontend**: React, React Native, Next.js, Tailwind CSS, Redux, Performance Tuning

- **Backend**: Node.js, NestJS, REST APIs, BFF Architecture, Redis, JWT

- **Cloud / DevOps**: GCP, Docker, CI/CD (GitHub Actions), Git

- **Certifications**: **GCP Associate Cloud Engineer**, Deep Learning Specialization