

# Seema Poonia

Senior Software Engineer (Frontend-led Full-Stack) · Team Lead

seema.127poonia@gmail.com | +91-9694383077 | Hyderabad, India | **Immediate Joiner**  
linkedin.com/in/seema-poonia | github.com/127pooniapoonia | seemapoonia.me

## PROFESSIONAL SUMMARY

Senior Software Engineer with **8 years** building production web platforms in **React, Angular** and **TypeScript** for the CleanTech space (solar energy & EV). Owns systems end-to-end — from legacy migrations and role-based access control to performance, accessibility and observability — and has led a cross-functional team of **7 engineers** since 2024. Experienced in architecting serverless and event-driven backend services alongside backend engineers, and in shipping multi-repo features with AI-assisted development. Platforms serve enterprise partners and thousands of installers across the US.

## EXPERIENCE

### Team Lead

Sep 2024 – Present

### Senior Frontend Developer

Apr 2021 – Aug 2024

### Frontend Developer

Nov 2019 – Mar 2021

*Electrum (formerly PickMySolar) — CleanTech (solar energy & EV)*

*Hyderabad, India*

- **Architected and rebuilt the legacy PHP Control Center** admin dashboard as a React application on an atomic-design architecture (config, store, service, pages, layouts, HOCs, common components), with **Redux** and Context for state and Axios service layers for data. Applied code splitting, lazy loading and memoization, improving speed index by **45.7%**, and owned the full UI/UX design system.
- **Designed and built a permission-based RBAC system** for the admin dashboard: admins create any number of custom roles from combinations of granular permissions and assign them to individual users through a dedicated user-management module. Every route, page section, data field, CTA and action is guarded by permission checks on the frontend.
- **Owned the external Partner Reporting Portal end-to-end across 3 repositories** (a new reporting app built from scratch, the Control Center, and the backend), giving external partners role-scoped access to embedded **Amazon QuickSight** and **Looker Studio** reporting and marketing dashboards. Wrote and iterated the PRD with the constraint that the existing architecture and database stay safe and the Control Center RBAC stays intact, so permitted Control Center users can grant partners access to reports. Decomposed the PRD into tasks and shipped them one by one with **Vitest** unit tests, using AI-assisted development (Claude, with Playwright, Chrome DevTools and Figma MCPs for design and testing).
- **Established frontend security standards:** JWT-based authorization and Google SSO, enforced across the team through PR-review practices.
- **Delivered accessibility compliance** (ADA/WCAG), including complete keyboard navigation across all applications, in partnership with Product and Design.
- **Built a full observability stack** (Google Analytics, Mouseflow, Datadog, custom event tracking, cookie-consent management) to map user flows and identify conversion drop-offs across products.
- **Lead a cross-functional team of 7** (frontend, backend, QA): sprint planning, LOE estimation, PR-review standards and technical feasibility assessment; conduct frontend technical interviews and onboard new engineers.

### Backend Architecture (with Backend Engineers)

Defined architecture, prioritization and edge cases for backend services built with the senior backend engineer:

- **Predictive lead-distribution engine** replacing round-robin assignment – ranks installers using real-time quote/pricing, NPS/CSAT and new-installer prioritization across thousands of installers across the US.
- **Secure PII file-processing pipeline** (CRON, SFTP, AWS Lambda, encryption/decryption) for partner EV-sales data, built as reusable infrastructure extensible to future partners.
- **Self-service campaign platform** (serverless, event-driven coupon microservice on AWS Lambda) – the first campaign issued **20,000 coupons** at a **90% redemption rate** within 3 months.

### Project Engineer

Jul 2018 – Jun 2019

*Wipro Technologies*

- Developed Angular 2+ web portals for enterprise clients, managing project team databases and workflows.
- Reviewed and validated team-built features for quality, correctness, and specification adherence.

## TECHNICAL SKILLS

**Languages & Frameworks:** TypeScript, JavaScript, HTML5, CSS3, React, Redux, Context API, Angular 17+ (Signals, Standalone Components), RxJS, Node.js, Express.js

**Styling:** Tailwind CSS, Material UI, Bootstrap

**Backend & Cloud (Architecture & Integration):** AWS Lambda, Python (Flask, Django), Celery, Serverless Architecture, MySQL

**Auth & Security:** JWT, Google SSO, RBAC (permission-based rendering)

**Testing & Quality:** Vitest, Playwright, Zephyr Scale, Lighthouse, Chrome DevTools

**Observability & BI:** Google Analytics, Datadog, Mouseflow, Amazon QuickSight, Looker Studio

**AI & Tooling:** AI-assisted development (Claude), MCP (Playwright, Figma, Chrome DevTools), Figma, Jira

## EDUCATION

### Bachelor of Technology, Computer Science

Jul 2014 – May 2018

*Govt. Women Engineering College, Ajmer*