

Sanjay Mansel

AI-Augmented Full-Stack Engineer & Tech Lead

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SUMMARY

Full-stack engineer and tech lead with 13+ years building and scaling product teams across React, Node.js, and TypeScript. Owns engineering end-to-end — architecture, sprint cadence, code reviews, and mentorship — and leads AI-native delivery using agentic coding tools and spec-driven workflows. Equally effective as a hands-on builder, a delivery lead, and an advisor on engineering transformation.

SKILLS

Frontend React, Next.js (App Router), TypeScript, Tailwind CSS, shadcn/ui, Redux, React Query, HTML, CSS

Backend & Data Node.js, Express, REST APIs, PostgreSQL, MongoDB, Auth, PWA architecture, Service Workers, IndexedDB

Cloud & Delivery AWS, Vercel, GitHub Actions, CI/CD, Vite, Webpack, Jira, Notion

AI-Native Claude Code, Cursor, agentic coding, spec-driven development, context & prompt engineering

Legacy ExtJS, Sencha Touch, Java, Spring Boot, SQL

EXPERIENCE

Tech Lead · [Kumarans](#) Dec 2024 – Present

- Lead an 8-engineer team that delivered a customer-facing insurance PWA from greenfield to production in 4 months.
- Drove the team's shift to AI-native delivery — adopting agentic coding tools and Markdown specs as living PRDs and source-of-truth references for humans and agents — cutting feature cycle time by 65% and enabling the team to ramp from 8 to 5 engineers without slowing delivery.
- Run sprint cadence end-to-end: backlog grooming, story breakdown, planning, standups, and retros, alongside code reviews and engineer mentorship.
- Own the full stack — React + TypeScript frontend, Node.js backend, offline-first PWA with service workers, auth, and CI/CD; established context-engineering practices (architecture briefs, ADRs, module-level specs) to keep agents aligned with intent across long sessions.

Stack: React, Next.js, Node.js, TypeScript, Tailwind, PWA / Service Workers · Claude Code, Cursor, Markdown specs

Senior Frontend Engineer · Revcomm Inc., Tokyo *Jul 2023 – Nov 2024*

- Built a CSV processing feature handling 30,000+ rows in under one second.
- Shipped performance improvements that played a key role in attracting new merchants shortly after joining.
- Led a team of 4 to establish a reliable release calendar, bringing predictability and transparency to delivery.
- Ran a serverless POC evaluating scalability and cost tradeoffs.

Stack: React, TypeScript, React Query, Python, Babel, Webpack, Serverless

Tech Lead · State Street, Bengaluru *Sep 2019 – Nov 2022*

- Built a reusable React framework for UI management and project bootstrapping; adopted by 6 projects.
- Provided technical leadership across multiple teams on React best practices and architecture decisions.
- Owned smooth releases of key projects with end-to-end ownership of the release process.
- Mentored junior and senior developers, driving knowledge transfer and team growth.

Stack: React, TypeScript, Redux Thunk, Java, SQL, Babel, Webpack

Senior Software Engineer · HCL Technologies, Bengaluru *Jan 2017 – Aug 2019*

- Built admin portal features that drove \$1M in cost savings during EOY peak season.
- Designed a single-click Excel-to-application migration tool that saved internal teams 20 person-hours per cycle.
- Led a team of 5 and volunteered in company mentorship programs.
- Owned the POC for upgrading ExtJS pages to AngularJS / React.

Stack: ExtJS, React, JavaScript, Java, Spring Boot, Babel, Webpack

Senior Software Engineer · Walking Tree Consulting, Hyderabad *Jan 2016 – Dec 2016*

- Built custom components with ExtJS (Sencha Touch); architected the UI upgrade for a risk management engine.
- Maintained coding standards through code reviews; cultivated a quality-over-quantity culture.

Stack: ExtJS, JavaScript

Software Engineer · Tata Consultancy Services, Bengaluru *Dec 2012 – Dec 2015*

- Interfaced directly with clients to gather requirements and design user-centric web applications.
- Built web pages with Spring MVC; led HTML-to-ExtJS platform upgrades and integration testing.

Stack: ExtJS, Java, Spring

EDUCATION

B.E., Information Science and Engineering *2008 – 2012*

SJB Institute of Technology · Visvesvaraya Technological University (VTU)