

RAJANNA ADELI

Full-Stack Developer, TypeScript · React · React Native · Node.js · PostgreSQL

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SUMMARY

Full-stack developer with experience across an early-stage startup (core engineer on two production SaaS products), enterprise platform engineering at TCS, and international freelance clients in Australia and the US. I own products end-to-end, architecture, UI/UX, implementation, DevOps, and specialize in TypeScript across the stack: React/Next.js, React Native (Expo), Node.js, and PostgreSQL. Most recent work: **RosterBay** (rosterbay.com), a live demo of workforce-management platform with realtime GPS clock-in, constraint-based rostering, and compliance automation for client engagement.

EXPERIENCE

Software Developer — Tata Consultancy Services · Pune

[Dec 2025 – Present]

Platform engineering on ServiceNow (JavaScript) for a global energy client, HR Service Delivery and ITSM:

- Build and maintain enterprise workflow automation using server- and client-side JavaScript (business rules, script includes, client scripts) across HRSD and Service Catalog modules serving a global employee base.
- Delivered catalog-item enhancements for organization-change workflows, redesigned lookup data models so business-unit, division, and department fields resolve reliably across 8 downstream HR processes; released via managed update sets.
- Diagnosed and resolved a complex ticket-routing defect by tracing behavior across assignment rules, data lookup definitions, and a round-robin assignment engine, restoring correct routing for manufacturing support groups.
- Built a knowledge-base usage audit across **1,300+ service-desk incidents** by querying the platform's m2m data model, delivering a filtered analysis that informed KB cleanup priorities for service leadership.

Full-Stack Developer (Core Engineer) — Bithook · Pune

[Mar 2025 – Dec 2025]

One of the core engineers at an early-stage startup shipped and operated two production SaaS products, **lemonsoft.in** and **upipe.tech**:

- Owned features end-to-end, system architecture, low-level design, UI/UX, implementation, and deployment, as part of a small core team where every engineer carried production responsibility.
- Architected and built scheduling and billing engine in React, TypeScript, and Node.js, serving 50+ active businesses.
- Owned end-to-end DevOps for both products — CI/CD pipelines via GitHub Actions, server provisioning and deployment on AWS EC2, S3 for storage, RDS for managed databases, and PM2 for process management.
- Refactored the loan dashboard, reducing initial page load time by 42%.

Independent Full-Stack Developer — Freelance (Upwork + direct clients)

[Nov 2023 – Present]

Workforce-management and operations software for international clients (Australia, US):

- Designed and built a **multi-tenant workforce-management platform** for an Australian labour-hire company, web admin console, client portal, and React Native worker app covering invite-based onboarding, worker document/consent flows, and shift management (Node.js, PostgreSQL/Supabase, Expo).
- Delivered a 5-month product engagement (OMAC) for an Australian client, scoped at 2 months and extended to 5 on ongoing feature development and maintenance; developed a community platform showcasing Indigenous heritage, events, and cultural initiatives. ★4.9+ Upwork rating.
- Built a production-ready retail POS and inventory system, enabling barcode billing, real-time stock tracking, purchase management, sales reporting, and GST-ready invoice generation.

SELECTED PROJECTS

RosterBay — live workforce operations platform demo · rosterbay.com

- Solo-built a Workforce Management SaaS demo for client engagement, featuring constraint-based shift rostering, GPS-geofenced mobile clock-in, payroll-ready timesheets with auto review, shift broadcasting with first-accept-wins handling, and a real-time operations dashboard with live maps and activity feed.
- Stack: React + Vite + shadcn/ui admin console; Expo/React Native worker app; Supabase, multi-tenant PostgreSQL with row-level security, Realtime channels, Storage, pg_cron.
- Realtime architecture: a worker's phone clock-in renders on the live admin dashboard in under a second.

- GAD Builder** — parametric engineering-drawing customization platform · github.com/rajannaadeli/gad-builder-up
- Design-customization tool automating general-arrangement drawing generation: visual component selection, parametric configuration, dynamic PDF output, automating **70–80% of repetitive drawing-customization work** for design teams. MERN + Tailwind + shadcn.
- Component Store** — engineering document control system · github.com/rajannaadeli/component-store
- Versioned drawing management with multi-stage approval workflows, role-based access, notifications, and bulk legacy-drawing import via Excel/filename mapping. Production-ready; complex authorization made simple in the UI.

SKILLS

- Languages:** TypeScript, JavaScript (ES2023+), SQL, HTML/CSS
- Frontend:** React 19, Next.js, React Native (Expo), Tailwind CSS, shadcn/ui, TanStack Query & Router, Zustand, Framer Motion
- Backend:** Node.js (Express, NestJS), PostgreSQL, Supabase (RLS, Realtime, Storage), MongoDB, REST APIs, WebSockets/Realtime
- Platform & Tooling:** Git/GitHub, CI/CD, AWS, Vercel, Cloudflare, ServiceNow platform scripting, AI-accelerated engineering workflows (Claude Code, Cursor)

EDUCATION

- B.Tech, Computer Science & Engineering** [2022-2025] [CGPA 9.0/10]
SVERI's College of Engineering, Pandharpur