

Preethan SK

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SUMMARY

Product & Engineering Lead at Sysmedac. I run two teams of six and still write code most days. My work is multi-tenant SaaS: a digital lending platform, a workforce platform for India and Saudi Arabia, and the billing and tenant layer every product of ours sits on, which I built alone. I am best at taking a rough idea, deciding what it should actually be, and getting it to production.

EXPERIENCE

Sysmedac · Chennai

Jan 2025 – Present

Product & Engineering Lead (Jun 2026 – Present) · Full Stack Engineer (May 2025 – May 2026) · Back End Developer (Jan 2025 – Apr 2025)

- I defined the product and built **GroundIT** with a team of six. It is a workforce platform for India and Saudi Arabia covering the whole employee lifecycle, from pre-boarding and geofenced attendance through payroll and tax, performance, ESOP, travel and expense, recruitment and exit. Statutory work is split into country packs: EPFO, ESIC, TDS and professional tax for India, GOSI, WPS through Mudad and Saudization for KSA. It is a pnpm monorepo with a NestJS API and worker tier, Postgres with schema-per-module and row-level security, a Next.js back-office, an offline-first PWA and a Flutter app. I keep a per-route JavaScript budget in the test gate, because our field staff carry cheap Android phones.
- Dhanavega** is a digital lending platform for NBFC-class lenders, covering onboarding and KYC through underwriting, disbursal, collections and closure. It runs in India and Saudi Arabia, so market-specific pieces are pluggable. I led a second team of six and made the architecture calls: a NestJS modular monolith, Postgres with schema-per-module and RLS, Keycloak for auth, and a transactional outbox.
- I built **Sysmedac One**, our SaaS platform, on my own. The control plane holds the tenant registry, plans and entitlements, runs Razorpay subscription billing with dunning, and gives the founders one revenue view across products. The runtime layer gives every product notifications, file storage and usage metering, so billing charges on real consumption.
- The **verifyON Super Admin** console is an operator portal for a live field-verification marketplace. Two of us built it on NestJS and Next.js against the production MySQL database and four existing .NET services, without breaking what was running.

Emplotec · Founder

2024 – Present

- I built a **School ERP** for AVG Vidyalaya Matriculation Higher Secondary School by myself, in daily use with more than 700 students. Three portals, management, teacher, and a Flutter app for parents, on one NestJS and Postgres backend, covering admissions, attendance, exams, fees through Razorpay, payroll and messaging. It is multi-tenant, so another school can be added without a second deployment.

SKILLS

Architecture	Multi-tenant SaaS (RLS, schema-per-module), modular monoliths, transactional outbox, RBAC, maker-checker, audit logging
Backend	Node.js, TypeScript, NestJS, PostgreSQL, MySQL, Redis, Prisma, Drizzle, BullMQ
Frontend & mobile	Next.js, React, Tailwind CSS, Flutter
Infra & tooling	Docker, GCP, GitHub Actions, PM2, Caddy, Keycloak, MinIO, OpenTelemetry, Grafana
Integrations	Razorpay, KYC and credit bureau APIs, Twilio, FCM, AWS SES

EDUCATION

SRM University · BCA, Computer Applications

2023 – 2026

Boaz Public School · High School Diploma

2023

Languages · English (full professional), Tamil (native)