

Tharun Kumar

FULL-STACK DEVELOPER

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[tharun-kumar-dev.vercel.app](#) | [GitHub](#) | [GitLab](#) | [LeetCode](#)



SUMMARY

Software Engineer at Rexera (a RealPage company), Bengaluru, with a B.Tech in Computer Science (Artificial Intelligence) and 1.5 years of experience in full-stack development using Next.js, React, Node.js, Python, PostgreSQL, GraphQL, REST APIs, microservices, n8n and AWS. Builds AI/LLM-integrated products end to end — from database schema to shipped UI — and backs them with Playwright and Jest test automation.

EXPERIENCE

Software Engineer, Full Stack — Rexera (a RealPage company)

Oct 2025 – Present · 1 yr

Bengaluru, India · Full-time

Next.js · TypeScript · React · Node.js · Supabase/Postgres · Prisma · Python · Prefect · AWS S3 · Docker · GitHub Actions · CI/CD · n8n

- Core developer on an AI-powered real-estate workflow automation platform (payoff requests, HOA document acquisition, municipal lien searches), contributing 800+ commits across a pnpm/Turborepo monorepo.
- Built the Next.js 15 + TypeScript operations portal — workflow dashboards, task/SLA tracking, document review and financials — and 50+ Zod-validated REST endpoint modules on Vercel serverless functions.
- Modeled the Postgres schema on Supabase across 130+ migrations with row-level security, role-based access and WebSocket realtime updates; migrated the API's data layer to Prisma.
- Built the document OCR/extraction pipeline with human-in-the-loop review, backed by Python Prefect flows and AWS S3 storage with presigned URLs and audit attribution.
- Designed and maintained 100+ n8n automation workflows orchestrating AI agents, email (SendGrid), fax, IVR and voice (Plivo), and built the billing surface — invoices, payments, pricing rules and PDF generation.
- Shipped microservices as Docker images with Helm charts and GitHub Actions CI/CD, and wrote 350+ Jest and Playwright suites alongside features on a continuous release cadence.

Software Engineer Trainee — MountBlue Technologies

May 2025 – Sep 2025 · 5 mos

Bengaluru, India · Full-time

HTML · CSS · JavaScript (ES6) · DOM · React · Node.js · Express · SQL

- Completed an intensive full-stack engineering program covering HTML, CSS, JavaScript (ES6), DOM manipulation, React, Node.js, Express and SQL.
- Learned development end to end — DOM fundamentals and vanilla JavaScript, through React and state management, to REST APIs on Node and Express over relational databases.
- Built and shipped 25+ projects and drills across the program — DOM tasks, callback, promise and fetch drills, CSS challenges, React builds and API projects — all available on github.com/tharunkumar171717.
- Cleared repeated code reviews and weekly technical assessments on every module before progressing to the next.
- Placed with a client engineering team on completing the program.

SKILLS

LANGUAGES	JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
FRONTEND	React, Next.js, Redux, Tailwind CSS, shadcn/ui, responsive layout
BACKEND	Node.js, Express.js, REST API design, GraphQL, WebSockets, microservices, Python, Prefect, JWT auth, bcrypt
AI / LLM	LLM integration (OpenAI, Anthropic, Gemini), LangChain, prompt engineering, OCR & document extraction, vector search
AI TOOLING	Claude Code, Codex, Gemini CLI, Roo Code, OpenCode — agent-assisted development and code review
TESTING	Playwright (end-to-end), Jest (unit)

DATA	PostgreSQL / Supabase, MySQL, Prisma, Sequelize ORM
AUTOMATION	n8n workflow automation, Prefect orchestration
CLOUD	AWS (S3), Vercel, Supabase
DEVOPS	Docker, Docker Compose, GitHub Actions, CI/CD
TOOLING	Git, GitHub, GitLab, Vite, npm / pnpm, Turborepo, VS Code

PROJECTS

Trello Clone — four state models · trelloprojectmain.vercel.app

React · Redux Toolkit · TypeScript · Context API · Trello API

- Built the same board app four times — plain React state, Context API, Redux Toolkit and Redux Toolkit in TypeScript — to compare state-management approaches against identical functionality, each as a complete branch.

ProofMint — Certificate Issuance & Verification

Node.js · Express · PostgreSQL · Sequelize · React · JWT

- Built an issuance flow that uploads a PDF, image or DOC, positions a QR stamp on it, flattens the stamp into the document and stores it with metadata.
- Made verification public and stateless — anyone with a credential ID or the QR code can check validity with no account — over JWT auth with role-based access, expiry and revocation.

Sendo — Fleet & Fuel Tracker · sendotracker.vercel.app

React · Node.js · Express · REST API · Vercel

- Built a driver-facing app for fuel fills, odometer readings and daily schedules, plus a separate supervisor console for vehicles, escalations and reconciliation.
- Shared one Express REST backend across both apps — auth, fills, vehicles, odometer, schedule and escalation routes — replacing a paper process.

20+ more projects — REST APIs, WebSocket services, PWAs, vanilla-JS builds and ML notebooks. Full archive with live demos and source: tharun-kumar-dev.vercel.app/projects

EDUCATION

B.Tech, Computer Science (Artificial Intelligence) — GPA 8.48

Dec 2021 – May 2025

Madanapalle Institute of Technology and Science, Madanapalle

Intermediate (MPC) — 93%

Jun 2019 – Mar 2021

Suvarna Bharathi Junior College, Hindupur

CERTIFICATIONS

Front End Web Development — Simplilearn · Python Programming — Sololearn · NPTEL Communication — NPTEL