

Pankaj Thakur

Full Stack Software Engineer

pankaj@thakur.dev | [Portfolio](#) | [GitHub](#) | [Linkedin](#)

EXPERIENCE

Junior Software Engineer, Netclues Technologies Pvt. Ltd.

- Designed and developed a configurable workflow orchestration engine for an e-governance platform, supporting multi-step approvals, role-based assignments, department-level routing, and priority-driven task distribution.
- Implemented a large-scale GRC (Governance, Risk & Compliance) and Risk Management system including risk registers, inherent/residual scoring, mitigation tracking, controls, heatmaps, RBAC, and approval workflows.

Sep 2024 – Present
Ahmedabad

Feb 2024 – Aug 2024
Ahmedabad

Software Engineer Intern, Netclues Technologies Pvt. Ltd.

- Built a real-time chat system using Socket.IO, Node.js, and React within a microservice architecture.
- Implemented one-to-one and group chat, file upload (images/PDFs), typing indicators, read receipts, online presence, and message archiving.

PROJECTS

SyncVibe, React.js, Node.js, Express.js, PostgreSQL, WebSocket

[Live](#) - [Code](#)

- Built a real-time group music listening system allowing multiple users to listen in sync with shared playback state.
- Designed and integrated a secure payment and subscription system using **Razorpay** with **webhook-driven** confirmation and idempotent processing.
- Implemented entitlement-based feature gating (FREE/PRO) and reliable handling of payment failures, retries, refunds, and reversals.
- Integrated Google authentication with Passport.js and secured access using JWT.

ShipYard, NextJS, Typescript, Bun, Elysia, PostgreSQL, Nginx, Cloudflare

[Demo](#) - [Code](#)

- Built a self-hosted deployment platform supporting automated builds, deployments, and dynamic subdomains..
- Implemented build workers, deploy engine, webhook-triggered deployments, and real-time build logs using WebSockets.
- Managed process-level runtimes and reverse proxying with Nginx for deployed applications.

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS

Backend: Node.js, Bun, Express.js, Hono, Elysia, PostgreSQL, MySQL

Frontend: React.js, Redux, Tailwind CSS, React Flow

Realtime & Media: WebSockets, Socket.IO, WebRTC

Security & Auth: JWT, OAuth, OTP-based auth, application-layer encryption

Tools: Git, GitHub, NPM, PNPM, VS Code, Cursor AI

EDUCATION

Computer Engineering (Bachelor of Engineering) 2020 - 2024

Marwadi Education Foundation Group Of Institutions