

RAJAT YADAV

+91 6397921415 ♦ India ♦ Agra, Uttar Pradesh

yadavrajat1210@gmail.com ♦ github.com/Hell1213 ♦ linkedin.com/in/rajat-yadav ♦ rajatyadav.site ♦ CCExtractor PRs

ENGINEERING OVERVIEW

Full-Stack & GenAI Engineer specializing in enterprise ERP platforms, geospatial marketplaces, fintech ledgers, and agentic AI CLI tools. Author of 55+ open-source pull requests across CCExtractor and developer ecosystems. Known for high velocity, radical end-to-end technical ownership, and production discipline (idempotent webhooks, ACID queue reliability, sub-second PostGIS queries).

PROJECTS

Muneem ERP | Enterprise SaaS & Multi-Instance ERP Platform

- Architected a multi-tenant enterprise ERP across 7 repositories, unifying Accounting, HRMS, LMS, CRM, School Fee Engine, and Payments into a single platform.
- Constructed a dual-instance architecture (Frappe v16 + v17) behind an Nginx reverse proxy with shared Redis session SSO, resolving framework breaking changes.
- Built a gateway-agnostic payment layer supporting 8 providers (Razorpay, Stripe, PayPal) with HMAC webhook verification and idempotency keys to guarantee zero double-charging.
- Tech Stack:** Python, Frappe/ERPNext, MariaDB, Redis, Vue 3, Nginx, AWS EC2, Cloudflare. [\[Live Repo\]](#)

Splizpe | FinTech Expense-Splitting & AI Khata Mobile App

- Founded and developed a mobile fintech app serving 18+ active users; built 5 bill-split algorithms with server-side penny-remainder reconciliation.
- Implemented an AI debt-collection agent with Google Gemini LLM to analyze overdue ledger aging (>30 days) and draft systematized WhatsApp/SMS payment reminders.
- Integrated Razorpay UPI payment links with orchestrated webhook callbacks and server-side entitlement enforcement for multi-tier subscription billing.
- Tech Stack:** React Native, Expo, FastAPI, MongoDB, Redis, Google Gemini API, Razorpay, Twilio. [\[Live App\]](#)

RoadHelp 24/7 | On-Demand Roadside Assistance Marketplace

- Built an Uber-style roadside assistance marketplace with sub-second geospatial driver dispatch using PostGIS spatial indexing (ST_DWithin).
- Built real-time bidirectional GPS tracking over Socket.IO WebSockets and designed an in-app escrow wallet system for orchestrated driver payouts.
- Delivered an administrative web dashboard in Next.js for real-time fleet analytics, active job tracking, and dispute management.
- Tech Stack:** Flutter, NestJS, PostgreSQL, PostGIS, Redis, Socket.IO, Razorpay, Next.js. [\[Live Platform\]](#)

OSS-Dev | Gemini-Powered Open-Source Agentic CLI

- Developed an open-source CLI agent automating contribution workflows across a 7-phase state machine (repo analysis, planning, implementation, automated PR submission).
- Designed tool-calling agent loops with human-in-the-loop approval gates and Turn-budget limits; featured on GitHub (2 stars, 12 forks) for GSSoC contributors.
- Tech Stack:** Python, Typer, Click, Rich, Pydantic, Google Gemini API, MCP (Model Context Protocol). [\[GitHub Repo\]](#)

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript (ES6+), Python, Go, Dart, SQL, HTML5, CSS3
Frontend & Mobile:	React, Next.js (App Router), React Native, Expo, Flutter, Vue.js, Vite, Tailwind CSS, Radix UI
Backend & APIs:	FastAPI, NestJS, Node.js, Fastify, Frappe / ERPNext, Express, RESTful APIs, WebSockets (Socket.IO)
Databases & Caching:	PostgreSQL, PostGIS (Geospatial), MongoDB, MariaDB, Redis, Prisma ORM, Supabase (RLS)
AI & Agentic Systems:	Google Gemini API, OpenAI API, LLM Function Tool Calling, Agent Workflows, MCP, Prompt Engineering
Cloud & DevOps:	Docker, Docker Compose, Kubernetes, AWS (EC2, S3), Cloudflare, Nginx, Railway, Vercel, BullMQ, CI/CD

EXPERIENCE

Full Stack Developer | Founder | Freelance

Sep 2024 — Present

- Founded Muneem ERP (enterprise platform, 7 repos, Frappe/ERPNext), Splizpe (fintech app, 18+ users, AI collection agent), NovaDraw (collaborative whiteboard, Yjs CRDT sync), and OSS-Dev (Gemini-powered CLI for open-source workflows).
- Contracted for clients: RoadHelp 24/7 (roadside-assistance marketplace, PostGIS geo-dispatch, escrow payments), The Writer's Haven (editorial platform, TipTap editor, 8 AI writing actions, delivered in a 3-day sprint), and Lumiere (luxury e-commerce backend, 8 BullMQ queues, Razorpay webhook pipeline).

Open Source Contributor | CCExtractor · Zulip · SveltyCMS

Nov 2025 — May 2026

- CCExtractor** [\[GitHub\]](#) [\[PR Showcase\]](#): Authored 38 pull requests (30 merged) across ccsync and sample-platform. Key contributions: replaced volatile in-memory job queue with bbolt-backed persistent storage surviving restarts (+501 lines); built reusable tag selector (+1,029 lines); added datetime pickers for 6 task fields; implemented auto-sync after editing; created Docker health check endpoint; added native Git pre-commit hooks for automatic code formatting (+117 lines); wrote 500+ lines of test coverage across components and hooks.
- Zulip**: Merged CSS fix for spectator dropdown in channel topics list; contributed custom profile field copy links and keyboard navigation for profile modal remove buttons.
- SveltyCMS**: Resolved circular dependencies (+27k/-85k lines) and integrated monorepo branch; redirected first-time users to config page.

EDUCATION

FS University | Shikohabad, India ([fsu.edu.in](#))

B.Tech in Computer Science & Engineering

- Lead Organizer, University Open-Domain Hackathon:** Spearheaded end-to-end logistics, participant onboarding, technical query resolution, and live team mentoring for university hackathon; took complete ownership of event execution and issue escalation.