

Rupraj Singh

Full Stack Software Engineer

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in linkedin

github

therupraj.in

Professional Experience

Full Stack Developer

Yukthi Systems Pvt. Ltd.

Remote, India

08/2025 – Present

- Built **Webmail** frontend from scratch (Gmail-like) — full email client with compose, threading, and folders, serving **100K+ active users**
- Built **YCT-Chat** (web & mobile) from scratch — real-time messaging, channels, video/audio calls, tasks, and calendar views (Slack/Google Workspace-like)
- Built **Y-Files** with video streaming, real-time collaboration, and file versioning (Google Drive/Nextcloud-like, Go backend)
- Developed full-ecosystem **Admin Panel** with 30+ sections — user management, billing, analytics, and config across all products
- Built a centralized oauth style **SSO-WebUI** for unified single sign-on across all products
- Wrote and maintained several **Go-based backend services, cron jobs, and automation scripts** powering platform operations
- Owned **end-to-end deployments** across environments — release pipelines, server configuration, and rollout coordination
- Led open-sourcing of the platform's core repos under GPL-3.0 (see **Open Source** below)

Software Engineer

AtticBits Solutions Pvt. Ltd.

Remote, India

09/2023 – 08/2025

- Designed and built **Workstation** — flagship workflow and business management platform used by 500+ companies
- Built **hiring platform** (tRPC + Remix) with WebSocket-based resume parsing for real-time candidate processing
- Developed **hotel, ticket, and tour booking** platform (React/React Native) with payment gateways and admin panel
- Built **productivity mobile app** (React Native) with tasks, routines, goals, reminders, and community features
- Worked on **machine inventory management platform** (React Native)
- Implemented **socket-based bulk resume parsing** — processed 21,000+ resumes in a single run over WebSockets

Full Stack Developer

Freelance Projects

Remote

01/2024 – Present

- Delivered e-commerce platforms: **Panchali Vastra** (25K+ monthly users), **Rudhrani Art Studio**, **Veda Flowers**, **Shreya Collection**
- Built **offline POS system**, live notifications, theme customization, CSV tooling, and analytics dashboard for Panchali Vastra
- Developed **Astroseva** React Native app (5,000+ downloads) with real-time chat and live astrologer call features

Key Projects

Full Stack Project

Secure PDF Sharing SaaS — PdfWarden

Personal Project

2026

- Built DocSend-style platform (Next.js 16, TypeScript, Neon Postgres) with per-link access gates — password, expiry, email capture, view caps, and canvas watermarking
- Implemented page-level heartbeat analytics (5s pulse), RAG-based AI Q&A over PDF chunks via Groq Llama 3.1, and multi-gateway payments (Razorpay + PayPal)
- Architected direct-to-S3 presigned upload flow, Upstash Redis rate limiting, and tiered plan enforcement with real-time capabilities API
- Shipped multi-tenant **team support**, anonymous guest uploads with claim-on-signup, transactional emails via Resend/Brevo, and a separate admin panel with its own JWT auth

Full Stack Project

Ed-tech Platform — Codemy

Personal Project

2024

- Developed comprehensive learning management system using React, Node.js, Express, and MongoDB
- Enforced role-based access control for student and instructor interfaces with secure authentication
- Features include course creation, video streaming, progress tracking, and payment integration

Education

Bachelor of Computer Application

Maulana Mazharul Haque Arabic and Persian University

Patna, India

2022 – 2025

Open Source

Core Contributor · GPL-3.0 · github.com/Yukthi-Systems

- **WebMail-UI** — open-sourced webmail client (React 19, Vite 6, TypeScript, TanStack Router/Query, Jotai, Tiptap, DOMPurify-hardened rendering)
- **Phoenix-Admin-UI** — admin panel for mail services, domains, organizations, and policy (React + Vite, RBAC, i18n)
- **Archive-UI** — compliance-grade email archiving console (search, .eml preview, 2FA, RBAC, audit logging)
- **IMAP-To-SMTP-Sync** — high-throughput Go CLI syncing millions of emails from IMAP to an archive server over SMTP at 200+ emails/sec, with resumable state and UIDVALIDITY tracking
- **Archive-Email-Downloader** — concurrent Go tool for bulk-downloading and ZIP-packaging emails from an archive API, with worker-pool architecture, crash recovery, and resumable jobs at 1M+ email scale
- **Phoenix-SSO-WebUI** — web UI (React) for the centralized SSO login flow, designed as a pluggable SSO package for drop-in use across products

Skills

- **Languages:** JavaScript, TypeScript, C++, Go, SQL
- **Frontend:** React.js, Next.js, React Native, Remix, Redux Toolkit, Tailwind CSS, Shadcn/UI, Material-UI
- **Backend:** Node.js, Express.js, Go, Socket.io, RabbitMQ
- **Databases:** MongoDB, PostgreSQL, Firebase
- **Tools & Infra:** Docker, AWS, Caddy, GitHub Actions (CI/CD)