

HARDIK SAPRA

Delhi, India ◇ +91 9313972744 ◇ hardik.sapra1@gmail.com ◇ Github ◇ LinkedIn

WORK EXPERIENCE

Twisted Mountain Animation

Nov 2025 - Present

Senior Software Engineer

Remote

- Reduced tenant onboarding time from ~1 hour to <2 mins with automated DB provisioning across services with Vault-managed credentials and Redis-based zero-restart activation.
- Architected a central notification service to fan out events across 5+ services using WebSockets and Redis.
- Built and owned CI/CD pipelines for 7+ services, enabling full-environment deployment in a single action with automated container builds, testing, Kubernetes rollout, and failure reporting.
- Designed and owned a scalable async export system for 1M+ record reports, decoupling report generation from synchronous APIs and using S3 lifecycle policies for cost-efficient storage.

Zopper

Aug 2024 - June 2025

Software Developer Engineer

Noida, Delhi

- Designed Django microservices powering customer-facing policy purchase journeys, maintaining 200 ms p95 latency for latency-sensitive transaction flows.
- Cut API latency by 55% with Redis caching and moved blocking workloads to Celery queues and Redis Pub/Sub.
- Built a reusable AES-256 field-encryption layer for sensitive customer data, resolving VAPT findings, and supporting RBI/IRDAI compliance.

Instahyre

Jul 2022 - July 2024

Software Developer Engineer

Remote, Delhi

- Led a 2-person team to revamp platform UX end-to-end, increasing recruiter engagement by 25%.
- Implemented SAML SSO in Django, reducing onboarding effort by 3 hours/account.
- Built Elasticsearch search for 10M+ communication logs, improving grievance resolution speed by 20%.
- Optimized database queries, caching, pagination, and frontend assets, reducing page-load time by 35%.
- Built Celery/Redis async queues for parallel jobs and real-time events, eliminating blocking sync processing.

TECHNICAL SKILLS

Core	Python, Django, Distributed Systems, REST/GraphQL
Messaging & Async	Celery, Redis Pub/Sub, WebSockets
Infrastructure	Kubernetes, Docker, Jenkins, AWS/GCP
Storage	PostgreSQL, MySQL, Elasticsearch, S3
AI/LLM	OpenAI APIs, Structured Extraction, LLM Evaluation, Agentic Workflows

PROJECTS

InsureFlow AI

May 2026 - Aug 2026

- Built an AI-powered WhatsApp CRM for insurance advisors, cutting routine client servicing from 45 mins to 2 mins.
- Automated extraction of 20+ KYC/policy fields, customer matching, and docs filing from forwarded files.
- Proactively surfaced renewals, payment dues, pending documents, and follow-ups to advisors

LinkedIn Auto Apply Agent

Mar 2025 - Nov 2025

- Built an LLM-powered job agent to rank 100s of open jobs with fit scoring and structured extraction.
- Cut application time by 70% by matching application questions to saved answers and adapting them with LLMs, prompting user for missing inputs

EDUCATION

SRM University

B.Tech in Computer Science; GPA: 8.5

Aug 2018 - Jul 2022

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