Diwakar Bhagat

AI Engineer • Full-Stack & Systems Integration

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Summary

I connect the systems a business runs on — ERP, payments, data — so sales, stock and money land in the right place without manual work. AI Engineer at **ZenZebra**; shipped two products solo.

Experience

ZenZebra — AI Engineer **Aug 2026 – Present**
Lifestyle retail stores inside coworking spaces *New Delhi · Full-time*

- Took **Pine Labs payments live in production** on Odoo 19 POS: Android payment app (Kotlin/Java), terminal and dynamic-QR flows, results written back to POS; cleared INVALID MERCHANT and expired-session failures through UAT and production registration.
- Built a founder-facing **Retail Operating Intelligence dashboard** (Next.js, React, TypeScript, Neon PostgreSQL, Vercel) on Odoo JSON-2 API data: revenue, bill cuts, AOV and units sold by store, brand, category and SKU.
- Automated post-payment and inventory flows: **Odoo payment events trigger WhatsApp** messages and loyalty points; HO-to-store transfers, a store-captain reorder app, FEFO handling and Code128 labels.
- Fixed **HTTP 429 failures at billing time** across stores sharing one API by moving to centralized request handling and controlled sync. **Lead a three-person team**.

AI Engineer Intern *Jun 2026 – Jul 2026*

- Shipped the first sales dashboards, GST and audit views, and commission and rental partner models in Odoo CRM; **converted to full-time**.

Projects

HireOX.AI — Founder & Full-Stack Engineer **2025 – Present**
AI mock-interview platform *hireox.in*

- **Built solo, end to end**: resume/JD-based planning, adaptive questioning and PDF reports (React, Node.js, PostgreSQL, OpenRouter). Live with **∼10 paying users**.
- Each answer is scored as structured JSON on clarity, depth, tradeoffs and examples; the backend uses those scores to probe deeper, clarify or switch topic. The rubric went through **five rewrites** driven by user feedback.
- Hardened auth and billing: Firebase Admin token verification with JWT session cookies, Razorpay credits with **charge-once semantics**, dropout recovery and a single-active-session guard.

Insee — Founder & Systems Architect **2026 – Present**
Accessibility infrastructure for exams *insee.in*

- Designing a trust-first platform that matches **verified scribes with visually impaired exam candidates** in India: identity-verified onboarding, moderated matching, restricted document access and voice-enabled chat.

CTA Apparels ERP Dashboard — Full-Stack Engineer **2025**
Operations workflow system · Part-time *Live GitHub*

- Built **order tracking and production coordination** for apparel manufacturing, with role-based access and REST APIs for real-time sync.

Skills

Languages: TypeScript, JavaScript, Python, SQL, Kotlin/Java
Frontend: Next.js, React, Tailwind CSS, shadcn/ui, Redux Toolkit
Backend & Integration: Node.js, Express, REST and JSON-2 APIs, webhooks, JWT sessions, Firebase Admin SDK
ERP & Payments: Odoo 19 Enterprise (POS, Inventory, CRM), Pine Labs, Razorpay
Data & Infra: PostgreSQL (Neon), MongoDB, Pinecone, Vercel, Render, GitHub Actions
AI: LLM evaluation pipelines, structured JSON scoring, prompt design, OpenRouter, fine-tuning

Education & Community

B.Tech, AI & Machine Learning **2024 – 2028**
B.M. Institute of Engineering & Technology *CGPA 8.37*

GSSoC open source contributor · GDG New Delhi DAIS member (GPU fine-tuning) · Moderator, r/DeadAISociety