

Prakhar Shukla

Munich, Germany | [Portfolio: prakhar.codes](#) | [Github: github.com/imprakharshukla](#) | [LinkedIn: linkedin.com/in/iamprakharshukla](#)

SUMMARY

Full-stack software engineer building production AI agent systems, across TypeScript, React, Node.js, and applied AI/LLM products. Currently shipping multi-surface AI agents and RAG systems at Sherpa; built Andronix (2.4M+ downloads, \$140K revenue). **GitHub: 3,700+ stars · 790+ forks · 9,400+ contributions**

EXPERIENCE

- Software Engineer - Sherpa (sherpahq.ai)** Munich, Germany (On-site)
Full-Time (Contract → Full-Time) Apr 2026 - Present
 - AI Agent Platform:** Built a production AI agent platform on *Mastra* and the *Vercel AI SDK*. One runtime serves **web, Slack, and Microsoft Teams** with human-in-the-loop approvals, sessions that survive restarts, and per-user OAuth; **145+ PRs merged in 4 months**.
 - Real-Time AI Canvas:** Built a collaborative canvas: a canonical state machine streamed over *SSE*, driven by a typed command bus. Per-field three-way merge keeps concurrent human and AI edits from overwriting each other.
 - Large-Scale RAG:** Built retrieval over a **185K+ chunk corpus** and a **350K+ edge knowledge graph**: six hybrid search lanes (*pgvector* + *BM25*), cross-encoder reranking, PageRank graph expansion, and deterministic rule engines under the LLM.
 - Multi-Tenant Security:** Led a zero-downtime cutover to database-enforced multi-tenancy with *Postgres Row Level Security*. Automated policy-coverage checks in CI keep new tables from shipping unprotected.
 - AI Gateway & Platform:** Centralized all LLM traffic behind a typed gateway on *Cloudflare AI Gateway*, with edge retries, cross-model fallback, and cost observability; custom lint rules make bypassing it a build error. Built per-PR preview environments (*Railway*, *Cloudflare Workers*) and **4-way sharded Playwright E2E CI**.
- Founding Software Engineer - Yobr (yobr.io)** Oslo, Norway (Remote)
Full-Time (Intern → Founding Engineer) Mar 2025 - Dec 2025
 - AI Agent Development:** Architected and deployed agentic AI systems with **100+ tools** using *Vercel AI SDK* and *Mastra.ai*, automating the multi-step job posting workflow end-to-end.
 - Flagship Job Planner:** Designed and built flagship Job Planner with nested AI-powered steps and streaming capabilities, reducing job creation time by **90%**.
 - Architecture & Data:** Led migration to *Next.js*, *Fastify*, *Trigger.dev* with end-to-end type safety via *tRPC*; ran production *PostgreSQL* migration with a custom application-layer *Row Level Security* system for secure multi-tenant access.
- Software Engineering Intern - CaseCraft (NUS Singapore)** Singapore (Remote)
Full-Stack Development & AI Integration Jul 2024 - Nov 2024
 - Full-Stack & AI:** Built a *React / TypeScript, ts-rest, PostgreSQL* full-stack with end-to-end type safety and *OpenAI*-powered AI pipelines; led JS→TS migration cutting failure rates by **24%**.
- Founder & Software Engineer (Product) - Lumoflo** [Website](#)
Multi-Tenant E-commerce Platform. \$1.5M+ in transactions processed Apr 2024 - Dec 2024
 - Full-Stack Ownership:** Built the entire multi-tenant e-commerce platform as sole engineer: *Express.js / ts-rest* backend, *Next.js* frontend, and infra, with end-to-end type safety in a *monorepo*. Cut build times by **56%**.
 - Systems & Reliability:** Built account synchronization for carts and queues and a *BullMQ / Redis* job-queue system for reliable background processing; wrote **40+ end-to-end tests** across core modules.
- Founder & Software Engineer (Product) - Andronix** [Website](#)
No. 1 on Google Play for "Linux". 2.4M+ downloads, \$140K+ revenue Apr 2019 - Jun 2024
 - Product & Scale:** Built and shipped the consumer product end to end as sole engineer: *Kotlin* client and a *TypeScript* microservices backend at **80%+ test coverage**. Owned architecture, integrations, and release.

SKILLS SUMMARY

- Languages:** TypeScript, JavaScript, SQL, Kotlin, Python, Go
- Frameworks:** React, Next.js, Express.js, Fastify
- Backend & Infra:** PostgreSQL, Redis, Docker, BullMQ, Firebase
- AI & LLMs:** Anthropic Claude, Vercel AI SDK, Mastra.ai, OpenAI, RAG (pgvector, hybrid retrieval, reranking), agent evals

EDUCATION

- Dr. A.P.J. Abdul Kalam Technical University (AKTU)** Lucknow, India
B.Tech in Computer Science and Engineering (Artificial Intelligence); CGPA: 8.11 2021 - 2025