Prakhar Shukla

Munich, Germany | Portfolio: prakhar.codes | Github: github.com/imprakharshukla | LinkedIn: linkedin.com/in/iamprakharshukla

Summary

Full-stack software engineer (TypeScript, React, Node.js) building production AI agent and RAG systems at Sherpa. Founder of Andronix, a Linux-on-Android app with 2M+ downloads and $140K+ revenue. **Open source: 3,700+ GitHub stars, 790+ forks**

Experience

- **Software Engineer - Sherpa (sherpahq.ai)** — Munich, Germany (On-site)
  Contract → Full-Time — *Apr 2026 - Present*
  - **AI Agent Platform**: Built Sherpa's AI agent on ***Mastra*** and the ***Vercel AI SDK***: one runtime for **web, Slack and Microsoft Teams** with shared multi-person chats, resumable turns, per-user memory and proactive nudges.
  - **Employment Law Compliance Engine**: Built a deterministic rule engine that checks employment-law compliance across **multiple countries and US states**, fully covered by tests; added an **LLM compiler** that turns plain-English company policy into executable rules.
  - **Legal Knowledge Graph & RAG**: Built a legal knowledge graph across UK, DE, US, ES and EU law with hybrid ***pgvector*** + ***BM25*** search, versioned re-crawls so answers cite only current law.
  - **Real-Time AI Canvas**: Rewrote intake as one shared state streamed over ***SSE*** with typed commands and edit-preserving merges, so a person and the AI edit the same document at once; extended into versioned documents the agent edits through typed tools.
  - **Public MCP Server & Security**: Shipped a public ***MCP*** server behind an in-house OAuth server, with per-area grants and human confirmation before every write. Moved production to ***Postgres RLS*** with zero downtime and added permission checks to every org API route.

- **Founding Software Engineer - Yobr (yobr.io)** — Oslo, Norway (Remote)
  Intern → Founding Engineer — *Mar 2025 - Dec 2025*
  - **AI Agent Development**: Built and deployed tool-heavy AI agents on the ***Vercel AI SDK*** and ***Mastra.ai***, automating the job posting workflow end to end.
  - **Job Planner**: Designed and built the Job Planner, a streaming, multi-step AI flow that made job creation much faster.
  - **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*** app with end-to-end type safety and ***OpenAI*** pipelines; led the JavaScript to TypeScript migration, cutting production errors.

- **Founder & Engineer - Lumoflo** — svveetpea.com
  E-commerce platform; now powers svveetpea.com — *Apr 2024 - Present*
  - **Full-Stack Ownership**: Built the multi-tenant e-commerce platform end to end as sole engineer: ***Express.js*** / ***ts-rest*** backend, ***Next.js*** frontend, and infra, with end-to-end type safety in a ***monorepo***.
  - **Store Agent & Shipping**: Refocused the platform on a single live store, svveetpea.com (2026). The store owner runs it from Claude or ChatGPT through an ***MCP*** server: voice-to-listing AI, order packing, Delhivery pickups and labels, and analytics.

- **Founder & Engineer - Andronix** — andronix.app
  2M+ downloads, $140K+ revenue; *No. 1 on Google Play for "Linux"* — *Apr 2019 - Present*
  - **Product & Scale**: Built and run the product end to end as sole engineer: ***Kotlin*** app and ***TypeScript*** services. Shipped Andronix 2.0 in 2026 with Termux:X11 desktops, 8 languages and staged Play rollouts gated on crash rates.

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*