ARKA LAL CHAKRAVARTY

FULL-STACK ENGINEER (FRONTEND FOCUSED)

CONTACT

📞 7365052973

✉️ admin@arkalalchakravarty.com

📄 Github Profile

✖️ Twitter

Linkedin

🌐 arkalalchakravarty.com

ABOUT ME

Full-Stack Engineer with 3.8+ years of experience building production-ready SaaS applications using React, Next.js, and Node.js. Experienced in integrating AI-powered features such as LLM-based workflows and retrieval systems into scalable web products. Strong track record of shipping end-to-end applications used by real users.

TECHNICAL SKILLS

- **Frontend**: React, Next.js 16, JavaScript, TypeScript, HTML, CSS, SCSS
- **Backend**: Node.js, Express, Python FastAPI, REST APIs
- **Databases**: MongoDB, SupabaseDB, Vector Databases (Pinecone / Qdrant)
- **AI/GenAI**: LLMs (OpenAI, Claude, OpenRouter), RAG, embeddings, prompt engineering, agentic workflows
- **Infra & Tools**: Vercel, Git, CI/CD, Chrome Extensions, API integrations

WORK EXPERIENCE

Lead Software Engineer - Epigroww Global
Sept 2025 - Present

- Leading development of a full-scale influencer marketing platform - web.trydisco.in using Next.js 16, Node.js, and MongoDB.
- Integrated Instagram analytics (RapidAPI) and Phyllo APIs for creator discovery, filtering, and profile enrichment.
- Designed scalable backend architecture and optimized database queries for fast profile retrieval.
- Built internal AI automations for outreach and operations, reducing manual effort by ~30%.

Freelance Software Engineer - Self-employed
Jan 2025 - Aug 2025

- Delivered multiple AI-powered SaaS MVPs end-to-end: product design → frontend → backend → deployment.
- Built agentic automation workflows using AutoGen and FastAPI to orchestrate multi-step AI tasks.

AI Engineer (Contract) — Helionix Tech
Feb 2025 - Jun 2025

- Built a social media content automation platform using LLM-powered workflows.
- Implemented multi-agent systems with tool calling and built a premium Linkedin chrome extension.

AI Engineer - ScaleGenAI.
July 2024 - Dec 2024

- Developed and shipped GenAI features for B2B automation products.
- Integrated RAG pipelines and LLM workflows into production systems and built several SaaS applications.

Software Developer - Infojini Inc.
March 2022 - July 2024

- Built and maintained web applications for US government and healthcare-related clients.

PROJECTS

NixBuilder — AI App Builder Platform

AI-powered platform that enables users to build full SaaS MVP applications end-to-end using natural language prompts, without writing code.
Tech: Next.js 16 (Full Stack), Node.js, Supabase, OpenRouter LLM APIs, Vercel AI SDK

- Built an AI-driven app builder where users describe their product idea in a studio chat interface and the system generates the complete application.
- Designed a coding agent architecture that scaffolds frontend, backend, and data layers automatically from prompts.
- Enabled live preview and testing of generated apps within seconds of build completion.

🔗 Live Video Demo
🔗 Project Page

AI RAG Copilot — Custom Knowledge-Based AI Assistant

Retrieval-Augmented Generation (RAG) assistant that allows users to chat with private knowledge bases and receive contextual responses.
Tech: NodeJS, Next.js, Vector Databases, OpenRouter, RAG

- Architected a production-grade RAG system combining embeddings and semantic search.
- Enabled conversational access to structured and unstructured data.

🔗 Live Video Demo
🔗 Project Page

Additional Projects

- TalTracker — AI hiring & talent tracking platform for managing recruitment pipelines
- CawLab — AI-powered 2D floor-plan generator from text prompts & structured inputs (MVP)
- BrowzPot — AI browser extension for drafting emails inside Gmail (preview live)

View more projects: arkalalchakravarty.com/#projects

EDUCATION

**B.A. in History — North Bengal St. Xavier's College
2018 – 2021**