MD Sharik

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Summary

Full-stack AI engineer with 3 years of experience owning products end to end, from client requirements and architecture to deployment and maintenance. Currently building enterprise RAG and agentic AI platforms with TypeScript, Node.js, React, and Python. Shipped multiple products independently and work directly with clients, mostly in writing.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Kotlin
AI: RAG, vector databases, LiteLLM, OpenAI API, agentic workflows, FastMCP, Ollama
Frontend: React, Next.js, React Native, Redux Toolkit, TanStack Query, Tailwind CSS
Backend: Node.js, Express, FastAPI, REST APIs, Socket.io, Redis, BullMQ
Cloud & DevOps: Azure VMs, AWS (EC2, S3), Docker, Nginx, Linux, Git, CI/CD
Data & Identity: MongoDB, PostgreSQL, MySQL, Firebase, MinIO, Active Directory, Microsoft Entra ID

Experience

PC Solutions Pvt. Ltd. May 2025 – Present
Software Engineer *New Delhi, India*

- **Esii CaptiveAI:** Building an enterprise RAG and agentic AI platform that answers questions from an organization's own databases, email, onedrive storage, and scanned files. Stack: React 19, Node.js/Express + TypeScript, Python FastAPI agent services, MongoDB, MinIO.
- Designed a **natural-language agent builder** that compiles plain-English instructions into persisted agent definitions using an LLM compiler pattern, with Microsoft 365.
- Built RAG pipelines, LiteLLM multi-model routing, and real-time WebSocket streaming; secured access with per-user delegated identity, **envelope-encrypted refresh tokens**, and Entra ID (MSAL).
- **Esii SSPR:** Building a hybrid self-service password reset product across on-prem Active Directory and Microsoft Entra ID, positioned against ManageEngine and Zoho; delivered a deployment for a **major life insurance company**.
- **JML Automation:** Automated joiner-mover-leaver provisioning by syncing HRMS records to Active Directory over LDAP (Node.js, LDAPjs), containerized on Azure Linux VMs.
- Own deployments end to end: CI/CD with Docker, Nginx, and Azure VMs, enabling zero-downtime releases and fast rollbacks.

PizeonFly Pvt. Ltd. Oct 2023 – May 2025
Full-stack Developer & Team Lead *New Delhi, India*

- Led development of multiple B2B products end to end, owning architecture, design reviews, and delivery for the team.
- Built modular, **white-label CRMs** configurable per client from a shared codebase, plus automated web scraping and data extraction tools that replaced manual data collection.

Independent Products

FullCleaner | *Python, React, Node.js, PostgreSQL* cleaner.nouvous.com

- Built and published a PC cleaning and antivirus tool in Python, with a React, Node.js, and PostgreSQL web platform.

SuperDark | *Kotlin, Jetpack Compose, Android* Google Play

- Android screen-overlay app that dims the display below the system minimum brightness; maintained with bug-fix releases and ad monetization.

Education

Indira Gandhi National Open University (IGNOU) New Delhi, India
Bachelor of Computer Applications *Expected 2027*