Hritik Sharma

Full-Stack Engineer

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SUMMARY

Full-stack engineer with professional experience across out-of-home advertising analytics, membership platforms, logistics, and digital signage. Builds typed REST APIs with Node.js and Express on PostgreSQL, implements JWT authentication and role-based access control, and ships React and Next.js interfaces. Comfortable with Linux deployments, PM2, and S3-backed media delivery, with recent work integrating AI chat features through provider APIs.

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, SQL
Frontend	React.js, Next.js, Tailwind CSS, Material UI, TanStack Query, Redux Toolkit, Zustand
Backend	Node.js, Express.js, REST APIs, JWT & RBAC, Zod
Databases	PostgreSQL, MongoDB, Redis, PostGIS
ORM	Prisma, Mongoose
DevOps & Infrastructure	Docker, Linux, Git, GitHub Actions, CI/CD, PM2, Tailscale, Vercel, Render, AWS S3
AI Engineering	LLM APIs, RAG, Embeddings, Vector search, Semantic retrieval, Tool calling, Server-Sent Events

EXPERIENCE

TechPlek Technologies — New Delhi, India

Product engineering across out-of-home advertising analytics, membership platforms, logistics, and digital signage.

Full Stack Developer — 2026 — Present

Mapglo — Out-of-Home Advertising Analytics Platform

Client project · TechPlek Technologies · https://mapglo.com/ · Next.js 15 · TypeScript · Tailwind CSS

- Developed the site creation UI and supporting backend API, enabling outdoor media sites to be listed on the platform.
- Implemented role creation and permission assignment for vendor and agency teams, allowing administrators to control individual team-member permissions.
- Built frontend interfaces for three role-based portals and the public landing page.
- Integrated the initial AI chat assistant through the platform's AI provider interface.

Aavya Holidays Membership — Multi-Resort Privilege Card Platform

Client project · TechPlek Technologies · https://members.aavyaholidays.com/ · Next.js · Node.js · PostgreSQL · SMS OTP · DLT · Payments

- Developed frontend UI components and interfaces for the membership platform.
- Implemented multiple backend API endpoints supporting membership workflows.
- Built a web-based OTP verification system for resort staff.
- Implemented staff-side coupon redemption, allowing staff to verify member OTPs before redeeming membership coupons.
- Worked on member-facing and staff-facing redemption workflows.

Full Stack Developer Intern — Dec 2025 — Jun 2026

Shailshuta Logistics

Client project · TechPlek Technologies · React · TypeScript · Node.js · Express.js · PostgreSQL · Prisma

- Built 20+ REST API endpoints for shipment tracking and customer operations using Prisma and PostgreSQL.
- Implemented JWT authentication and role-based access control with route-level middleware, protecting endpoints and dashboard views according to user roles.
- Deployed and monitored Node.js services on Linux staging servers using PM2.
- Configured log rotation and error alerts to keep service failures visible and logs manageable.

Digital Signage Platform (PDOOH)

Client project · TechPlek Technologies · React · Node.js · PostgreSQL · Amazon S3 · Raspberry Pi · Linux

- Built backend services and an admin console for distributing media assets to Raspberry Pi signage players and keeping them synchronized.
- Integrated Amazon S3 pre-signed URLs so devices download media directly from storage instead of routing downloads through the API server.
- Fixed Raspberry Pi runtime failures by modifying shell boot sequences and device provisioning scripts.
- Improved device stability and reduced media-player memory usage through provisioning and runtime fixes.

PERSONAL PROJECTS

ToolStackAI

React 19 · Next.js · TypeScript · Express 5 · Node.js · PostgreSQL · pgvector · Prisma · https://toolstack-ai.vercel.app

- An AI developer workspace with streamed responses, retrieval over your own documents, and a debugging assistant.

Personal Home Lab

Linux · Termux · Tailscale · GitHub Actions · PM2 · Node.js · SSH · CI/CD · https://github.com/hritikS0/homelab-music

- A low-power, self-hosted Linux environment built on retired Android hardware.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (BCA) — 2023 — 2025
GNIOT Institute of Professional Studies, Greater Noida

MERN Stack Development Certification — 2025
Ducat, Pitampura

Codewars Practice — Ongoing
217+ katas

Portfolio · hritiksharma.vercel.app