HARSH JOSHI

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SUMMARY

Full-Stack Developer with engineering experience building production applications using TypeScript, Node.js, NestJS, React, Next.js, and PostgreSQL. Experienced in REST APIs, data pipelines, authentication, real-time systems, Docker, AWS, Kubernetes, and CI/CD. Built and shipped internal operations platforms, D2C analytics features, and scalable full-stack applications.

SKILLS

Languages: TypeScript, JavaScript (ES6+), C++, Python, C
Backend & APIs: Node.js, NestJS, Express.js, REST APIs, WebSockets, RabbitMQ, JWT Authentication, Microservices
Frontend: React, Next.js, Tailwind CSS
Databases: PostgreSQL, MongoDB, Redis, Prisma ORM
Cloud & DevOps: Docker, AWS (EC2, S3, ECS), Kubernetes, CI/CD, GitHub Actions
Testing & Tools: Playwright, Postman, Git, pnpm Workspaces, Linux

EXPERIENCE

HDFinLife | Founding Engineer Intern | Hybrid — Jul 2026 - Aug 2026

- Independently designed and shipped an internal operations portal consolidating five workflows: CRM, lead tracking, follow-ups, renewals, and service requests.
- Built an operational dashboard for monitoring pending follow-ups, upcoming renewals, customer requests, and document-processing activity.
- Built an automated KFIN/CAMS invoice-processing pipeline using React, TypeScript, Node.js, Express, Playwright, and pdf-lib, covering ZIP extraction, signature placement, validation, human review, and archive generation.

CleverBooks | Founding Engineer Intern - Full Stack | Remote — Mar 2026 - May 2026

- Built production features within a pnpm Workspaces monorepo using a NestJS backend and Next.js frontend for a D2C operations and analytics platform.
- Normalized Blue Dart and Shiprocket shipment schemas into a unified data model, improving data consistency across shipping and reconciliation workflows.
- Implemented validation and error handling for malformed shipment records, correcting inaccurate information displayed across operational dashboards.

PROJECTS

DevMatch | GitHub | Live
TypeScript, Express.js, PostgreSQL, Prisma, Redis, BullMQ, Kafka, Socket.IO, Docker, AWS, GitHub Actions

- Engineered a developer collaboration platform using Next.js and Express.js, with eligibility-based candidate ranking and cosine-similarity discovery over a 22-dimensional skill vector.
- Synchronized GitHub repositories, LeetCode problem statistics, and Codeforces ratings using BullMQ workers and Kafka events, with PostgreSQL/Prisma persistence and Redis caching.
- Built JWT-authorized Socket.IO chat with persistent messages and idempotent retries; protected reciprocal match creation with transactions and unique constraints.
- Configured Docker Compose/Caddy deployment on AWS EC2 and GitHub Actions CI/CD with ECR, S3, and Systems Manager, including readiness checks and rollback.

WebChat | GitHub | Live
TypeScript, Express.js, MongoDB, Mongoose, Redis, RabbitMQ, Socket.IO, Docker, AWS, Nginx

- Built a real-time messaging application with Next.js, Express.js, and MongoDB; added Socket.IO messaging, presence, typing indicators, and read status.
- Implemented Google sign-in, JWT authentication, and six-digit OTPs with five-minute Redis expiry, 60-second resend rate limiting, and RabbitMQ email delivery.
- Added validated image uploads using Multer and Cloudinary; configured Docker Compose services and documented AWS EC2 deployment with Nginx HTTPS.

EDUCATION

KIET Group of Institutions — Ghaziabad, India
B.Tech in Information Technology | CGPA: 9.03 — 2024 - 2028

CERTIFICATIONS

AWS Certified SysOps Administrator - Associate — 2026
AWS Certified Cloud & AI Practitioner — 2025