

Harsh Shukla

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PROFESSIONAL EXPERIENCE

BillionByte Technologies

Software Developer (Hybrid)

Mumbai, India

June 2022–Present

- Spearheaded and maintained production-grade codebases across multiple client and internal projects, delivering features end-to-end in a high-velocity, service-to-product transition environment.
- Independently architected and deployed secure, scalable authentication flows using Node.js, JWT, and custom middleware, reducing auth-related incidents by 30% and cutting onboarding friction.
- Engineered the backend of a real-time trading system with Node.js, Express, Redis (Pub/Sub), and WebSockets, capable of handling thousands of events per second with high reliability.
- Leveraged advanced TypeScript patterns and clean MVC architecture to build modular backend services—boosting maintainability and reducing technical debt by over 40% across teams.
- Implemented streaming APIs and experimented with live video data processing, exploring serverless compute and event-driven architecture with message queues and Kubernetes integration.
- Worked extensively with SQL and NoSQL databases, Docker (multi-container orchestration with volumes and networks), and deployed services using AWS EC2, S3 buckets, and GitHub Actions.
- Mentored and onboarded new interns by breaking down complex systems into approachable components, creating documentation and walkthroughs that helped them become productive contributors within their first week.

KnowledgeGATE Eduventures

Mentor and Network Security Faculty

Gaziabad, India

March 2022–Jan 2023

- Taught Network Security fundamentals and hands-on modules as a subject faculty, simplifying complex topics for undergraduate and early-career engineers.
- Received a personal recommendation from the COO for excellence in teaching, impact-driven mentorship, and consistent learner engagement.

OPEN-SOURCE

humanize-this

Github, NPM

- A lightweight yet powerful utility package designed to convert raw, machine-readable data into clean, human-friendly formats—optimized for real-world applications at scale.
- Born out of the recurring friction experienced while working on production-grade codebases, humanize-this emerged as a modular, zero-dependency solution that simplifies the complexity of formatting numbers, time, currencies, file sizes, and text—all with full TypeScript support.
- 40+ stars on GitHub

EDUCATION

DIT University

B.Tech in Computer Science (Specialization in Cyber Security and forensics)

Dehradun, India

May 2021

SKILLS

- **Languages:** TypeScript, JavaScript, Java, HTML5, CSS3
- **Frontend:** React.js, Vite, Parcel, Tailwind CSS, Shadcn UI, Zod, Global State Management
- **Backend:** Node.js, Express.js, Docker (Containers, Networks, Volumes), Redis (Pub/Sub), WebSockets, Prisma, Mongoose, Firebase
- **DevOps Infra** AWS (EC2, S3), GitHub Actions, Serverless Functions, Light Kubernetes, Message Queues