



Harsh Shukla

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PROFESSIONAL EXPERIENCE

BillionByte Technologies

Mumbai, India

Software Developer – Focus on Infrastructure DevOps

June 2023–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.
- Monitored system health and deployment logs, contributed to infra debugging and incident resolution using tools like AWS CloudWatch and Docker logs.
- 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.
- Designed event-driven architectures with serverless functions, message queues, and Kubernetes (lightweight workloads), enabling scalable real-time data pipelines.
- Managed cloud-native deployments using Docker (multi-container setup), AWS EC2/S3, and GitHub Actions, ensuring reliable CI/CD workflows and smooth production rollouts.
- 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

Gaziabad, India

Mentor and Network Security Faculty

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

Dehradun, India

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

May 2021

SKILLS

- **Languages:** TypeScript, JavaScript, Java, HTML5, CSS3
- **Frontend:** React.js, Tailwind, Vite, Parcel
- **Backend:** Node.js, Express.js, Prisma, Mongoose
- **DevOps Infra** AWS (EC2, S3, CloudWatch), GitHub Actions, Docker (multi-container orchestration), Serverless (Lambda), Kubernetes (basic workloads), Redis Streams, Message Queues, CI/CD