

Jyotiswaroop Srivastava

New Delhi, India • +91-8840143277 • svrivastavjyotiswaroop@gmail.com • [LinkedIn](#) • [Twitter](#) • [GitHub](#)

PROFESSIONAL EXPERIENCE

YARS Enterprises Private Limited, New Delhi, 2024 – Present, **Software Developer**

CSC Compass

- Built an Admin **Web Portal**, enabling administrators to visualize user submissions from mobile apps, developed its backend to support analytics, handling **1000+ daily active users**.
- Optimized queries with **indexing and aggregation**, and implemented CSV data streaming, reducing query execution time by **40%**.
- Architected a centralized **logging pipeline** using **Grafana, Loki**, and **Promtail**, improving debugging of external API failures by **95%**.
- Deployed **containerized** applications in an **air-gapped environment** using Podman.

Harit India

- Developed a scalable backend architecture using Node.js, implementing **RESTful APIs** with bulk data upload capabilities through files.
- Integrated **Easebuzz** payment gateway with secure tokenization and encryption standards, enabling seamless transaction processing using **webhooks**.
- Built a dynamic **B2B** marketplace with **negotiation** workflows, **order** management, and **invoice** generation modules.
- Engineered role-based access controls (**RBAC**) and **JWT** authentication for **AWS S3** media assets, fortifying user authorization and reducing unauthorized data access incidents to zero.

Carbon Credit

- Designed a **microservice-based** backend using **NestJS**, leveraging **gRPC** and **Kafka** for efficient communication between services.
- Developed a task module with threaded comments similar to GitHub pull requests, enabling **real-time** updates through Server-Sent Events (**SSE**).
- Built a notification module with **WebSockets** + Firebase Cloud Messaging (**FCM**), ensuring instant push alerts across devices.

PROJECTS

RemoteOffice – Canvas, Next.js, Node.js, Websockets and WebRTC

- Developed an **interactive virtual space** platform inspired by Gather.town, enabling real-time collaboration, events, and social interaction through **2D environments**.
- Implemented **multiplayer relative movement** using a WebSocket server for seamless real-time interactions.
- Integrated **proximity-based video/audio conferencing** via **WebRTC**, enabling high-quality, peer-to-peer conferencing within the platform.

SKILLS & OTHER

Languages: JavaScript, TypeScript, C++, Python, Java, SQL

Backend: Node.js, NestJS, Express.js, gRPC, Kafka, WebSockets, REST APIs

Frontend: Next.js, React.js, React Native, TailwindCSS, Redux, Zustand, WebRTC

Databases: MongoDB, PostgreSQL, MySQL, Redis, Firebase

DevOps & Tools: Docker, Podman, Kubernetes, AWS (S3, EC2), Nginx, Git, GitHub Actions, CI/CD, Grafana, Loki, Promtail, Prometheus, Postman, Linux, Shell Scripting

EDUCATION

University of Delhi, Atma Ram Sanatan Dharma College, 2021 – 2024

- Bachelor of Science, Honours, Computer Science, 8.42 CGPA

Kendriya Vidyalaya, Azamgarh, India, 2009 – 2021

- Senior School Certificate Examination, 2021, 96.6%