Ronak Maheshwari

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Professional Summary

Backend engineer with one year of production experience shipping 5 enterprise modules for HDFC Bank and DCB Bank, serving 1,000+ users, with TypeScript, Node.js, and PostgreSQL. Architected a 6-microservice event-ticketing platform load-tested to 55K+ requests at a 99.99% success rate. IEEE Best Paper author on event-driven architecture.

Education

Modern Education Society College of Engineering **Nov 2022 – June 2026**
B.E. in Computer Engineering *Pune, Maharashtra*

Technical Skills

- **Languages:** TypeScript, JavaScript, Java, Go, SQL, Python
- **Frameworks:** React, Next.js, Node.js, Express, Tailwind CSS
- **Databases:** PostgreSQL, MongoDB, Redis, Supabase, TimescaleDB
- **DevOps:** Docker, Kubernetes, Docker Swarm, AWS, GCP, Nginx, Prometheus, Grafana, Kafka
- **Tools:** Git, Prisma, Cloudflare R2, FFmpeg
- **Python / ML:** TensorFlow, NumPy, Pandas, Matplotlib, scikit-learn

Experience

Grant Thornton **Oct 2025 – Present**
Consultant *Mumbai, India*

- Own the end-to-end design, development, and deployment of **5 enterprise modules** of the **Regulatory Business Solutions** (RBS) platform for **HDFC Bank** and **DCB Bank**, from requirements through production.
- Build secure **REST APIs** and backend services in **TypeScript, Node.js, and PostgreSQL**, with a React front end, serving **1,000+ users** across regulatory reporting workflows.
- Run **on-premises** production deployments with **Docker and Nginx**, owning release management and client onboarding.
- Partner directly with banking clients to turn business requirements into technical solutions, run **UAT**, and triage and resolve **production incidents**.

Learnhattan **Jun 2023 – Aug 2023**
Full Stack Developer Intern *Remote*

- Built reusable **React, TypeScript, and Tailwind CSS** components and responsive Settings, Documentation, and Profile modules across desktop, tablet, and mobile.
- Integrated **RESTful APIs** with frontend features in an agile startup team, shipping features and fixing bugs on a rapid release cycle.

Projects

Capital | *TypeScript, React, Node.js, PostgreSQL, Redis, WebSockets, Docker, Kubernetes* **Jun 2025**

- Architected a distributed **6-microservice** event ticketing platform using Redis, PostgreSQL, and WebSockets, with cryptographically secure ticket validation via **Ed25519** digital signatures and encrypted QR codes.
- Deployed on **Docker, Kubernetes, and Nginx** with **Prometheus, Grafana, and Loki** for centralized logging and real-time observability across all microservices.
- Load-tested with **2,500 virtual users** and **55K+ requests** at a **99.99% success rate**, tuning Redis caching, database queries, and API performance.

Galaria | *React, Redis, TypeScript, Prisma, Supabase, Express, Cloudflare R2* **Jun 2025**

- Built a secure media-sharing platform with a **Redis queue** for background processing (**40%** throughput gain), using Cloudflare R2 and Supabase for storage and server-side input validation.
- Built a hiring platform with recruiter dashboards and an embedded PDF resume viewer, cutting applicant screening time by **30%**.

10xdevs Editor | *React, TypeScript, Judge0 API* **May 2025**

- Built a browser-based, real-time code editor with remote execution via the **Judge0 and Piston APIs**, supporting **15+ languages**, with language auto-detection and dynamic theming.

Publications and Awards

- **Best Paper Award**, IEEE OTCON 2024: *"Event-Driven Framework for Video Analysis"*.
- Published *"Blockchain-based Certificate Validation System"* in the ISTE IJTE Journal, Oct–Dec 2024 issue.