

Sarvagya Singh

Full-Stack Software Engineer · Ghaziabad, India · Open to Remote (Global)

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Professional Summary

Full-Stack Software Engineer who builds, ships, and optimizes **production-grade** web apps with the **MERN stack**, **TypeScript**, and **React/Redux**. Delivered a **~100x** dashboard query optimization (40s → 400ms) and owns features **end-to-end** across frontend and backend. Strong in **REST API** design, microservices, **Redis** caching, **RabbitMQ**, and cloud deployment (**Docker**, **AWS**) — comfortable in **remote**, **Agile** teams across time zones.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), Python, Java, SQL

Frontend: React.js, Redux, Next.js, Material-UI, HTML5, CSS3, Responsive Design

Backend: Node.js, Express.js, REST APIs, JWT, OAuth 2.0, Microservices, WebSockets, Socket.IO

Databases: PostgreSQL, MySQL, MariaDB, MongoDB, Redis; query optimization & indexing

Cloud & DevOps: Docker, AWS EC2, CI/CD (GitHub, Vercel), Git, Linux, Postman

Architecture & Practices: Microservices, Event-Driven Systems, Caching, Rate Limiting, Agile/Scrum

Experience

Kraftshala

March 2026 – Sept 2026

Software Developer (Full-stack)

Delhi, India

- Re-architected data-heavy dashboard queries with a **deferred-join pattern** (~40s → ~400ms, **~100x faster**) and built the resizable/exportable **React/Redux** tables that consume them.
- Built a **self-service Google Chat alerting platform** end-to-end — SQL-rule engine + per-minute cron on the backend and the full admin UI in **React/Redux**; later reused by other teams.
- Engineered a bulk **Excel upload engine** (validation, parsing, deduplication) processing **1,000+ records/upload** with **React** upload modals, cutting manual effort by **~80%**.
- Implemented **Google OAuth 2.0** SSO (backend verification + login UI) and integrated **Zoom**, **CRM**, and **payment** APIs with **conflict-detection (HTTP 409)** to prevent double-bookings.
- Shipped a **Placements Opportunity Tracker** end-to-end — reusable **audit-log** + transactional owner reassignment (backend), an inline owner editor with **XLSX export** (React), and a listing-query rewrite (**6 subqueries** → **1 join**).
- Re-architected **calendar-invite delivery** via **AWS SES**, decoupling event creation from email to lift throughput ~2,000/day → **400,000/day** (**~200x**) behind default-off feature flags.

BWS

Jul 2025 – Dec 2025

Full-Stack Developer

Remote

- Built and deployed an **end-to-end AI chatbot** on the company website with the **MERN** stack (MongoDB, Express, React, Node.js), automating responses to **100+ visitor queries** and reducing manual support load.
- Implemented a **“Request a Callback”** feature that captured form submissions and synced leads to **Zoho CRM** via **REST API**, streamlining the sales handoff for **200 leads**.
- Optimized site performance and on-page **SEO**, cutting page load time from **~8s to ~2s** and lifting Lighthouse/PageSpeed scores.

Coding Blocks

May 2024 – Aug 2024

Teaching Assistant

Noida, UP

- Mentored **100+ students** in Java, Data Structures, and Algorithms through doubt sessions and one-on-one code reviews.

Projects

SaaSify-AI — Full-Stack AI Platform

React, Node.js, Express.js, PostgreSQL, OpenAI, Claude API

- Built a full-stack AI SaaS integrating **OpenAI** and **Claude** APIs for content and image generation, with scalable **REST APIs** and secure token authentication.
- Shipped with **CI/CD** (GitHub + Vercel) and released as an **open-source** repository with documentation.

Food Delivery Microservices Platform

Node.js, TypeScript, RabbitMQ, Socket.IO, Redis, Docker, AWS

- Built a **production-style** platform of **6 independent microservices** communicating via asynchronous **RabbitMQ** events, with real-time order/rider tracking over **Socket.IO**.
- Added **Redis caching** (~60% fewer DB reads, ~35% lower latency), **100 req/min rate limiting**, retries, and **dead-letter-queue** handling.

Real-Time Chat Application

Next.js, TypeScript, Node.js, MongoDB, Redis, RabbitMQ

- Built a microservices messaging platform with **WebSocket** communication and **RabbitMQ**-driven asynchronous processing.
- Added **Redis caching** + query optimization (~35% faster responses), **JWT auth**, message acknowledgements, and offline delivery.

Education

Maharaja Agrasen Institute of Technology (MAIT)

Aug 2022 – May 2026

B.Tech in Computer Science & Engineering

CGPA: 9.2/10.0

- Top 25 in GGSIPU; solved **250+ DSA problems** on LeetCode. Coursework: DSA, DBMS, OS, CN, Web Dev.