

# MOHIT AGRAWAL

Software Engineer | ☎ +91 6378016386 | 📩 ma.7693849@gmail.com | 🔗 LinkedIn

## SUMMARY

Software Engineer specializing in **scalable, high-performance web applications** using **React, Node.js, and PostgreSQL**. Experienced in **owning features end-to-end**, optimizing system performance, and delivering **production-ready solutions** for enterprise products. Strong foundation in **system design, API architecture, and performance optimization**.

## CORE SKILLS

**Frontend:** React.js, TypeScript, JavaScript (ES6+), HTML, CSS, Tailwind

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Databases:** PostgreSQL, MongoDB, Redis

**System Design:** Scalable APIs, Data Modeling, Performance Optimization

**State Management:** React Query, Redux

**Testing:** Jest, Cypress (E2E), Integration Testing

**Tools:** Git, Docker, Vite, Webpack, Jira

## PROFESSIONAL EXPERIENCE

**Software Engineer — Closeloop Technologies**

Mar 2024 – Present

CxC Gen2 | Call By Call

- Owned and developed **reusable React component architecture**, reducing UI regressions by **50%** and improving developer velocity across teams.
- Optimized frontend performance by refactoring **30+ components**, reducing average API data fetch latency by **~350ms**.
- Implemented **React Query-based state management**, improving caching efficiency and predictable data flow.
- Improved product reliability by achieving **90% test coverage** using unit, integration, and Cypress E2E tests.

**AutoTrace | Vehicle Yard Management System**

- Designed and built **high-throughput Node.js APIs** handling **1,00,000+ vehicle records/month** with **99.9% uptime**.
- Developed secure **VIN-scanning workflows**, reducing manual data entry by **60%** and enabling near real-time inventory updates (**<200ms response time**).
- Implemented **JWT-based authentication** and enforced relational integrity in **PostgreSQL** for enterprise-grade data security.
- Applied system-level thinking to API design, balancing **latency, scalability, and fault tolerance**.

**Tech Stack:** React, TypeScript, Node.js, Express.js, PostgreSQL, MongoDB

## EDUCATION

**Bachelor of Technology (B.Tech) — Computer Science**

Swami Keshvanand Institute of Technology, Jaipur |

2020 – 2024