

# Jatin Jain Saraf

## Senior Software Engineer

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### PROFESSIONAL SUMMARY

Lead architect and implementer of SupraScan — Supra Blockchain's native explorer and high-performance indexer. Senior Software Engineer with 6+ years of production experience spanning Web3 infrastructure, enterprise B2B supply chains, CRM platforms, and e-commerce systems. Strong ownership mindset — I design, build, and operate end to end.

### EXPERIENCE

#### Senior Software Engineer

Jul 2023 – Present

##### CodeZeros Technology / Supra Blockchain

- Lead architect of SupraScan — processes 2,000+ TPS with sub-2-second data availability, serving 5+ internal teams and external contributors across the Supra ecosystem.
- Implemented a distributed locking algorithm over Redis to coordinate 10+ concurrent multithreaded scanner instances — preventing double-processing without a central coordinator.
- Decoupled real-time WebSocket delivery from ingestion using a pub/sub architecture — independent scaling of indexing and query layers.
- Reduced storage costs by 80% (\$13K/month) — schema redesign with binary hashes, surrogate PKs, and proper numeric types across 20–30 TB.
- Migrated a 10+ TB live PostgreSQL database across GCP, Digital Ocean, and ScaleGrid with zero downtime.
- Resolved a 6-hour replication lag — 44M dead tuples, checkpoint pressure, autovacuum misconfiguration; built an internal runbook.
- Part of the internal training, mentorship, and hiring panel across the WDCS group.
- Migrated multiple projects from Node.js 14/16 → 18/20 and Next.js 12 → 14.

#### Software Engineer → Development Lead

Jan 2020 – Jul 2023

##### Rapidops Solutions Pvt. Ltd.

- **Order management, role engine, product import pipelines, reporting dashboards, vendor API integrations for Kroger's restaurant B2B supply chain.** TOQ – Kroger (Lead):
- **Email campaign microservices, Cucumber integration test suites, production deployment support.** Salesmate CRM (Senior Backend):
- **Exam platform, Dialogflow chatbot across 18 Kroger banners, food automation with Onfido onboarding.** Rapid Hunt · Kroger Voice · FAT & DFM:
- Mentored engineers; part of internal training, onboarding, and hiring panel.

### EDUCATION

#### Bachelor of Engineering — Information Technology

2016 – 2020

Truba Institute of Engineering and Information Technology, Bhopal **CGPA: 7.76**

### AWARDS & RECOGNITION

- Employee of the Month — February 2024 (CodeZeros / WDCS Technologies)
- Nominee, High Achiever in Product Engineering — 2022 (Rapidops Solutions Pvt. Ltd.)

### STRENGTHS & SOFT SKILLS

Ownership mindset · Trade-off thinking · Systems design · Engineering leadership · Technical mentoring · Cross-team communication · Decisive · Reliable · Adaptive

### LINKS

[linkedin.com/in/jatin-jain-saraf](https://linkedin.com/in/jatin-jain-saraf)  
[github.com/supra-jatinjainsaraf](https://github.com/supra-jatinjainsaraf)  
[medium.com/@jatinjainsaraf](https://medium.com/@jatinjainsaraf)  
[suprascan.io](https://suprascan.io)

### TECH STACK

#### JavaScript / TypeScript

Node.js · Express.js · Fastify  
NestJS · React.js · Next.js  
PostgreSQL · MongoDB · Redis  
Kafka · Bull/BullMQ  
GraphQL · Apollo · REST APIs  
Docker · Jenkins · Git  
Sequelize · Flyway  
Jest · Mocha · Chai · Cucumber  
Swagger · Postman

### CLOUD & INFRA

GCP — Cloud Run, Functions,  
Cloud Armor, Cloud SQL  
Digital Ocean — App Platform,  
Managed DB Droplets  
ScaleGrid · Elest.io · Vercel

### WEB3

#### Blockchain Indexing

Move VM — Supra / Aptos / Sui  
Supra Name Service  
Multi-asset model indexing

### TOOLS

VS Code · WebStorm  
Postman · Apollo Studio  
Jira · YouTrack  
GitHub · Bitbucket · GitLab  
PgAdmin · MongoDB Compass