

ONKAR JOSHI

Mumbai, Maharashtra

+91 9518584177 joshionkar292@gmail.com [linkedin](#)

[Leetcode](#) [Codeforces](#) [Github](#)

Education

Indian Institute of Information Technology Surat

Dec 2020 – Aug 2024

Bachelor of Technology in Electronics and Communication Engineering

Surat, India

CGPA: 7.9

Experience

Software Engineer - I

Dec 2024 - Present

M2P Fintech

- Collaborated in building **Turing** (a large-scale core banking system) and involved in launching 75+ banks, delivering robust functionality across td, loans, transactions, and crm modules.
- Optimized components of a transaction system processing **18 TPM** ensuring high availability and 68% of read txn are moved to read replica to reduce load on write replica ensuring scalability.
- Designed and integrated an sms/notification system, scaled upto 70k+ deliveries/day, built scheduler tasks to automate alerts reducing 40% manual work and reduce overall cost.
- Optimized **Redis caching** strategy, reducing API response time from 250ms to 150ms (40% improvement) and cutting server load by 30%, enhancing scalability for 75+ banks.

Junior Software Developer

Jun 2024 - Dec-2024

M2P Fintech

- Engineered a secure customer onboarding system with OTP authentication, reducing fraudulent sign-ups by 25% and improving user activation rates.
- Standardized API documentation using OpenAPI (Swagger), improving discoverability and reducing time new developers take to access and understand APIs by 20%.
- Optimized SQL query execution, cutting database latency by 25% and accelerating transaction processing by 20%, enhancing system performance for multi-thousand concurrent users.

Techstack: React, Java springboot, Redis, Kafka, Kubernetes, SQL server

Software Engineer Intern

Jan 2024 - Jun-2024

AlgoDive Pvt. Ltd

- Built a high-performance web app with Node js, React, optimizing MongoDB for 50K+ weekly requests.
- Developed React-based user management with RBAC and JWT, reducing unauthorized access by 30%.
- Streamlined deployments with a Jenkins CI/CD pipeline for 5+ hospital chains.

Techstack: Node.js, React, Mongoddb

Technical Skills

Programming Languages

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

Technologies/Frameworks

React, Next.js, Node.js, Springboot, Redis, Networking, Flutter, Docker

Soft Skills

Resolved technical challenges in sprints through research and collaboration.

Projects

Peer-to-Peer Asset Exchange | *Java (Spring Boot), PostgreSQL, Redis, WebSockets, Kafka* |

- **System Architecture & Scalability:** Designed and developed a scalable peer-to-peer asset exchange handling 100K+ simulated trades per day.
- **Order Matching Engine:** Built an order matching engine using priority queue algorithms in Java for real-time trade execution. Implemented logging and real-time monitoring to quickly identify and resolve potential bottlenecks in the matching process.
- Developed **WebSocket-based** real-time updates, eliminating polling overhead and improving client-side responsiveness.
- Implemented **Redis caching**, reducing order lookup latency by 40% and enhancing transaction speed.