

# Manoj Kumar

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## Summary

Innovative and performance-driven **Lead Engineer** with **5+ years** of experience and a passion for architecting and scaling high-performance web applications using the **MEAN Stack**. Adept at leading cross-functional teams, optimizing system performance, and implementing modern development best practices. With a strong foundation in web development, I have successfully led and contributed to projects that enhance operational efficiency, reduce downtime, and improve system scalability

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## Skills

- **Programming Languages:** JavaScript, TypeScript
  - **Frameworks & Technologies:** Angular (v7–19), Node.js (v12+), Express.js
  - **Databases:** MongoDB, PostgreSQL, Redis, InfluxDB, AlaSQL
  - **APIs & Backend:** RESTful APIs, Axios, GraphQL (with Prisma), WebSockets, PubSub (MQTT)
  - **DevOps & CI/CD:** Docker, Jenkins, Git
  - **Software Development Principles:** MVC, Object-Oriented Design (OOP), Data Structures & Algorithms
  - **Frontend & UI/UX:** Responsive Web Design, Angular Material, Bootstrap, RxJS, Highcharts, ChartIQ, Google Maps API
  - **Data Processing & Utilities:** Moment.js, Lodash, XLSX, Excel.js
  - **Agile & Project Management:** SCRUM, JIRA
  - **Monitoring & Debugging:** Sentry, Datadog, Rookout
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## Work Experience

### Zycus: Lead Engineer

July 2023 - Present

Mumbai, Maharashtra

- iContract - Contract Management System that reduces maverick spend, optimizes operation and elevates the entire contracting experience
- Optimization of 10+ core system components, enhancing performance and maintainability.
- Leadership & Mentorship
  - Leading a team of 5+ developers to architect and deliver cutting-edge, scalable, and high-impact features.
  - Interviewed, Mentored and Managed interns and Jr developers, while improving team productivity and code quality through best practices and code reviews.
  - Conducted technical discussions and R&D sessions, fostering a culture of innovation and continuous improvement, leading to a 20% increase in overall development efficiency and the adoption of modern best practices.

## **Synergy Technology Services: Software Engineer**

June 2022 - July 2023 (1 Year 1 Month)

Mumbai, Maharashtra

- Project 1: Shazpha *June 2022 - Oct 2022*  
A fully automated Algo-driven rating and curation app for stocks and commodities.
  - Strategic migration of 100,00+ lines of code from legacy technologies to the latest Angular and Node.js versions, enhancing performance, security, and maintainability.
- Project 2: Shipyaari *Nov 2022 - July 2023*  
A SaaS-based D2C and B2B logistics enabler that provides end-to-end supply chain solutions to businesses
  - Spearheaded backend optimizations, reducing API response times by 40% and improving system scalability.
  - Refactoring Angular UI code base to follow industry standards while adhering to best practices in terms of optimizations and security.

## **Faclon Labs: Software Engineer**

September 2019 - May 2022 (2 Years 9 Months)

Mumbai, Maharashtra

- Developed and maintained multiple IoT data visualization applications with interactive user and admin portals, enabling real-time monitoring and analytics.
- Key Projects:
  - Billing & Tariff Plan Calculator – Automated cost estimation, improving pricing accuracy by 30%.
  - Energy Distribution Monitoring – Enhanced efficiency and real-time tracking, reducing downtime by 40%.
  - Smart Meter Management for JUSCO – Developed region-based energy meter software, streamlining maintenance and monitoring.

## **Vardan Nursing Home: MEAN Stack Intern**

July 2018 - September 2018 (3 Months)

Mumbai, Maharashtra

- Proven expertise in developing and maintaining a robust Patient Management System using the MEAN stack, ensuring seamless healthcare data management, optimal performance, and enhanced user experience.

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## **Education**

### **Master of Science: Information Technology**

Mumbai University, 2019 - 2021

First Class with Distinction - 75%

### **Bachelor of Science: Computer Science**

Lords Universal College, Mumbai University, 2016 - 2019

Project: Graphical Password Authentication

CGPA: 8.38/10 (Rank: 1; Medalist)