

# SATISH KUMAR

Senior Backend Engineer with around 6 years of experience building scalable software solutions using Node.js and Java. Proficient in system design and managing high-throughput infrastructure.

## CONTACT

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## SKILLS

- Node.js, Express.js, Typescript, Javascript, Python, C++,
- Java, Spring boot, Go, MySQL
- PostgreSQL, MongoDB, Redis Elasticsearch, Kafka
- GCP (pub/sub, cloud fun.), Azure Grafana, Kibana, Jenkins, Cursor
- DS & Algorithms, Design Patterns, System Design (LLD/HLD)

## EDUCATION

### Indian Institute of Technology Roorkee

B.Tech. In Electrical Eng. 71.70%  
June 2015 - May 2019

### JNV Bangalore (Urban)

Intermediate (CBSE) 93.20%  
Apr 2013 - Mar 2015

### JNV Barun, Aurangabad

Matriculation (CBSE) 95.00%  
Apr 2012 - Mar 13

## ACHIEVEMENTS

- Outstanding contributor of Apollo247 migration to Google Cloud. 2023
- Dakshana Annual Scholarship Exam coordinator. 2016-20
- Cleared JEE Advance 2015

## WORK EXPERIENCE

### Software Engineer III

Delhi

HighLevel India Pvt. Ltd.

Sept 2024 - Present

#### Phone system

- Scaling phone system infrastructure handling **1M+** outbound and **0.5M+** inbound API calls/day; leading the team to improve reliability for high-volume calls, SMS, and IVR.
- Developed **Number Intelligence System** using Twilio Lookup for spam detection and caller ID; integrated with SMS and voice calls, generating revenue through premium usage.
- Built **Power Dialer** with iPhone-like UX, integrating backend APIs and intuitive UI for recents, contacts, and redirection; enhancing user efficiency and increasing usage by 20%.

### Sr. Software Engineer

Gurugram

Apollo 24|7 [Apollo Healthco Limited]

Oct 2020 - Sept 2024

#### Consult and Doctor service

- Designed and developed doctor-service that manages availability & pricing of **≈ 15k** doctors for daily consultation.
- Engineered and led the team to optimize consult service to manage **≈ 20k** online and offline appointment bookings daily.
- Integrated **Elasticsearch** to improve global doctor search experience, migrated consults and doctors Microservices cloud dependencies from Microsoft **Azure** to **Google Cloud**.

#### Payment service

- Designed and developed payment solution from scratch, handling 100% traffic of Apollo247 powered by **Juspay**.

#### Virtual Consultaion as Service

- Engineered scalable **Kafka Consumers** for consult booking and Apollo approved prescriptions for medicine delivery.
- Developed microservices [api gateway, consults, doctors] for admin portal; managing **≈ 15k** doctors and **≈ 8k** hospitals.

### Software Engineer

Bengaluru

MFine [Novocura Tech Health Pvt Ltd]

Jun 2019 - Sept 2020

- Developed **Support Section, Rating System** for App and Web, and also added **Dynamic Video-call module** to reduce app size on play store by 20 MB (≈15%).
- Integrated Mfine application on **PhonePe** to increase daily consultations traffic by 8-10%.

### Software Developer Intern

Noida

JS Tigers

May 2018 - June 2018

- Worked on development and deployment of **Cupcake CRM** web application using Node.js, Angular 5.0 and MongoDB.