

Shivansh Khare

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PROFILE

Backend Developer with expertise in building **scalable systems**. Contributed to **JioMeet+** and **JioWorkspace**, focusing on **microservices**, real-time communication, and **cloud infra**. Skilled in **Node.js**, **MongoDB**, **Redis**, **GCP**, **system design**, and secure API development.

EXPERIENCE

Software Developer Engineer 1

Jio Platforms Ltd [🔗](#)

Oct 2023 - present

Navi Mumbai

- Contributed in the development of **JioMeet+** (over 20 million active users) [🔗](#) and **JioWorkspace** [🔗](#).
- Designed and implemented a **scalable event-driven Publisher-Subscriber architecture** for real-time **User Status Management**, supporting **10+ status conditions** (Available, Away, DND, etc.) across **15+** concurrent devices per user while maintaining **99.9%** backward compatibility with legacy Jiomeet client applications.
- Migrated Data and implemented sharding** on a **500 million+** record collection, boosting associated APIs performance by up to **80%**.
- Implemented **Single Sign-On (SSO)** authentication using **Keycloak identity provider**, integrating seamlessly with JioWorkspace to enable centralized user **authentication and authorization** across multiple applications.
- Engineered core messaging features, activities feed, channel creation and Secure link unfurling, handling **1M+ daily active users** with **99.9%** uptime and reducing latency by **15ms**.
- Enhanced Real-time Communication by Upgrading the application's **WebSocket** implementation to **Socket.io** which improved **reliability, handle automatic reconnections, and packet buffering**, leading to a more robust real-time experience. **reducing real-time communication failures by 30%**.
- Refactored legacy code and redesigned core modules** to improve system stability, maintainability, and performance—achieving a **40% faster API response time** and reducing integration **bugs by 25%** through seamless front-end collaboration.

Software Engineer - Mobile

Arpan Interactive Solutions Pvt. Ltd. [🔗](#)

Jul 2023 - Oct 2023

Lucknow

- Solely developed the **Go Freely** [🔗](#) mobile application, offering a **safe & anonymous platform** that helps **10K+ active users** to discuss their **mental health issues** with **expert Healers**.
- Integrated **PhonePe** Payment Gateway for **in-app wallet top-ups** and built a **per-minute billing system** with **automated payouts to healers** after platform fee deduction.
- Integrated **Agora SDK** to enable high-quality real-time audio and video calls and **Firebase Realtime Database** for seamless chat and user presence.
- worked closely with **Flutter, Agora, Firebase, Google Play Store, REST APIs, Clean Architecture**

TECHNICAL SKILLS

- Backend Development:** Node.js, Redis, MongoDB, RabbitMQ, Elasticsearch, Socket.io
- Cloud & Infrastructure:** Google Cloud Platform (GCP), AWS, Azure, Kubernetes, Nginx, Docker, Linux, Firebase, Azure AD.
- Architecture & Design:** Microservices, Distributed Systems, Technical Architecture, System Design, Database Modeling.

EDUCATION

Bachelors of Technology in Computer Science and Engineering

Dr. A. P. J. Abdul Kalam Technical University, Lucknow

Jul 2019 - Jun 2023

GPA: 8.44/10.0

Intermediate with PCM and Computer

Vidyawati Nigam Memorial Public School, Banda

Jul 2018 - Jun 2019

Percentage: 85.6%

PROJECTS

Len Den

Source Code [🔗](#)

Demo Video [🔗](#)

- Implemented all features of a **scan-&-pay** app like **authentication, real-time transactions, rewards and more**.
- Uses QR code Generator and Scanner for sending & receiving Points.

SR APP

Source Code [🔗](#)

Demo Video [🔗](#)

- Major component **Live bus tracking**, Announcements, accounts & fee management, library services, and call directory.
- Worked with **Google Map API, Firebase Realtime Database, Firebase Cloud Messaging and Firebase Cloud Storage**.

ACHIEVEMENTS

LeetCode

Solved **500+ problems** on LeetCode, enhancing proficiency in DSA. [🔗](#)

2022

Google Cloud

Completed the **ultimate milestone** (30 Quests and 15 skill badges) in the **Google Cloud**

2021

Ready Facilitator Program [🔗](#)