

# SANJAY MURMU

New Delhi, India

☎ [+91-8210984865](tel:+91-8210984865)

✉ [sanjaymurm40work@gmail.com](mailto:sanjaymurm40work@gmail.com)

🌐 [LinkedIn](#)

## SUMMARY

Backend Engineer with **3+ years** of experience building scalable, high-performance systems using **nodejs javascript**. Skilled in distributed systems, cloud-native solutions, API design, and database optimization. Passionate about solving complex challenges and delivering reliable, efficient backend solutions.

## SKILLS

**Programming Languages:** JavaScript, TypeScript, Python

**Technologies/Frameworks:** Node.js, Express.js, GraphQL, REST API, NoSQL, Redis, Cron-decoupler Services, Jest, Postman, JIRA, Git, Slack, VSCode, Newrelic. Exposure:- Prometheus, Kafka, Grafana,

**Databases:** MySQL, PostgreSQL, MongoDB, Elasticsearch, Firestore, Algolia.

**Technical Skills:** Backend Development, System Design, Optimization, DSA, Distributed Systems

**Soft Skills:** Project Ownership, Team Collaboration, Problem Solving

## WORK EXPERIENCE

### Hunch | Software Engineer - 1

*Nov 2023 - Present | New Delhi, India*

- Developed **OpenSearch** integrations to enable high-speed, scalable text search functionality, improving search performance and relevance, and **reduced latency to less than 100ms**.
- Optimized costs and streamlined infrastructure by minimizing database queries and implemented caching using **AWS ElastiCache (redis)**, thereby **reducing monthly expenses by over 2500 dollars**.
- Contribute the migration of services from **Firestore** to **PostgreSQL**, ensuring data consistency, improving security and **zero downtime** during production rollouts.
- Optimized **top 10 APIs** to enhance **performance and user experience**. Identified bottlenecks, refactored code, improved response time while ensuring **99.9% uptime**. Delivered scalable and efficient solutions aligned with business goals.
- Implemented **subgraph** to enhance **scalability and performance**, enabling efficient data fetching and reducing system load. Collaborated with team leads to ensure optimal integration, reliability, and efficiency.
- **Upgraded AWS services** from Version 2 to 3 for **improved performance and scalability**. Refactored code, updated configurations, and conducted testing to ensure a seamless migration and enhanced reliability.
- Introduced **unit testing** practices across backend systems, developing comprehensive test suites to ensure **code reliability** and **reduce bugs**. Collaborated with delivery teams to establish standards, provide training, and integrate tests into the CI/CD pipeline, improving code quality and delivery speed.
- Independently conducted a **POC for FireORM** to assess its suitability for the Hunch project. Evaluated its features, performance, and integration potential, laying the groundwork for future scalable and efficient database solutions.

### Feature Delivered | FTUE "First Time User Experience"

- Designed and implemented the **First Time User Experience (FTUE)** flow, integrating multiple innovative features to enhance user engagement and onboarding.
- Introduced **short vibes and long vibes** using **internal Python-based knowledge APIs** powered by **OpenAI's GPT-3**, enabling personalized and dynamic content for new users.
- Implemented geolocation fetching from user devices to deliver location-specific experiences and recommendations.
- **Integrated Leonardo.io** for **AI-driven avatar** image generation, allowing users to create **unique profile pictures** during onboarding.
- Introduced **push notifications** to notify users when they receive a follow request or when their contacts sync successfully, improving user interaction and retention.
- Monitored the performance of features, products, and APIs created with multiple technologies.

### CensaNext | Feature Delivered

*Dec 2021 - Nov 2023 | Bangalore*

- **Van Sales :-** Developed an **E-Commerce platform** for distributors, handling orders, deliveries, and inventory via vans. Modules included **Distributor Management, Inventory Management, Logistics, SAP Integration**, and more.
- **Call Center Portal:-** Designed the backend from scratch, implementing **cross-verification for customer documents**, image processing for **PAN/GST** validation, and secure authorization mechanisms.
- **Garuda DMS Distributor:-** Enhanced **sales reporting, customer management**, and integrated **OTP-based authorization** for secure order management.

### AttainU.com | Full Stack Web development (MERN)

*June 2020 - April 2021 | Bangalore*