

Sanjay Murmu

Software Engineer-I

Accomplished back-end software engineer with a proven track record of delivering exceptional products. Proficient in Node.js, focusing on creating efficient and scalable solutions.

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- Delhi, India
- Github LinkedIn

SKILLS

Languages

- TypeScript
- Node.js
- React
- JavaScript
- Python
- GraphQL

Database

- PostgreSQL
- SQL
- Firebase
- MongoDB

AWS and GCP

- OpenSearch
- Elasticache
- RDS
- Neptune
- Lambda
- Kinesis
- BigQuery
- Cloud Functions

Soft Skills

- Problem Solving
- Teamwork
- Communication
- Adaptability
- Time Management

LANGUAGES

- English
- Hindi

EXPERIENCE

Software Engineer - I

Hunch, Delhi

Nov 2023 - present

- Worked with core platform team of 5 senior engineers, focusing on **scalability** and **reliability** of backend services.
- Managing the weekly release cycle**, ensuring stability and timely delivery of features to production.
- Implemented OpenSearch integration** for scalable text search, enhancing relevance and reducing query latency to less than 100ms.
- Reduced monthly costs by \$2,500+** by optimizing DB queries and implementing caching with AWS ElastiCache (Redis).
- Contributed to migration 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.
- Implemented subgraph** to enhance scalability and performance, enabling efficient data fetching and reducing system load.
- Led unit testing adoption** across backend systems, improving code quality and delivery speed by integrating tests into CI/CD and training teams.
- 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.
- Integrated **Leonardo.io** for **AI-driven avatar image generation**, allowing users to create unique profile pictures during onboarding.
- Monitored the performance** of features, products, and APIs created with multiple technologies.

Associate Software Engineer

CensaNext, Bengaluru

Aug 2021 - Nov 2023

- 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.
- Developed a web application for **Expo Dubai 2021**, showcasing **WayCool's products and services**.