

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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- sanjaymurmur40work@gmail.com
- Delhi, India
- Github LinkedIn

SKILLS

Languages

TypeScript Node.js React
JavaScript Python GraphQL

Database

PostgreSQL SQL Firestore
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**.