

Shruti Jain

Software Engineer

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🔗 [LinkedIn Profile](#) 🔗 [dev.to](#)

SUMMARY

Results-driven Software Engineer with expertise in MERN stack (MongoDB, Express.js, React, Node.js), Google Cloud Platform (GCP), and AI-powered applications. Adept at designing scalable microservices, optimizing NoSQL/SQL databases, and building interactive frontends. Skilled in RESTful API development, cloud deployment, and automation pipelines. Experienced in Agile development methodologies. Passionate about building high-impact, user-centric software solutions.

TECHNICAL SKILLS

Frontend

JavaScript React.js HTML/CSS

Databases

MongoDB Elasticsearch Redis DynamoDB SQL/NOSQL PostgreSQL

Tools & Integrations

Kafka GA4 APIs Firebase MoEngage Izooto Postman Git & Github CI/CD pipelines

Backend

Node.js Express.js REST APIs

Cloud & AI

Vertex AI Open AI Imagen 3.0 AWS GCP Cloud Storage BigQuery AWS Lambda

WORK EXPERIENCE

Software Engineer

Mediology Software Pvt. Ltd., Gurugram, Haryana

February 2024 - Present

- Designed and deployed a scalable admin dashboard using React.js, Node.js, and AWS DynamoDB to monitor user health metrics and track real-time user analytics such as registrations, activity patterns, and engagement trends for 3M+ users in real time.
- Developed a notification system using MoEngage, iZooto, and Firebase, automating daily outreach to 5M+ users and boosting engagement by 40%.
- Increased notification click-through rates by 70% by setting up automated hourly notifications using GA4 and BigQuery.
- Integrated Vertex AI and OpenAI to generate daily news summaries, driving a 53% boost in user re-engagement through automated notifications.
- Migrated backend authors data structure from MongoDB to Elasticsearch, implementing Redis caching and CDN strategies to reduce API latency from 1 sec to 300 ms under high traffic.
- Built a gamified news experience by developing a games dashboard that used Vertex AI for content generation and KafkaJS for background automation, increasing session time and interaction rates.
- Built an admin dashboard for managing YouTube video content and importing metadata via the YouTube Data API, streamlining content publishing on partner Fire TV applications.

Software Engineer Intern

Mediology Software Pvt. Ltd., Gurugram, Haryana

June 2023 - January 2024

- Contributed to internal admin tools using React.js, JavaScript, and REST APIs, improving editorial workflow efficiency.
- Developed an AI-powered automation system for weather-based article generation using Vertex AI and Imagen 3.0, increasing daily publishing output.
- Implemented a system-wide monitoring solution using cron jobs and KafkaJS to track service health, media upload issues, and Kafka worker stability in production.
- Built and integrated APIs for publishing article metadata using Node.js and Kafka, syncing data to Elasticsearch.

EDUCATION

B.Tech in Computer Science and Engineering

B.M. Institute of Engineering and Technology, GGSIPU
2018 - 2022 | CGPA: 8.4