

Ritesh Sahoo

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Professional Profile

Experienced Software Engineer with **3+ years** of expertise in building scalable APIs and **microservices** using Node.js, MongoDB, GRPC, and AWS. Proficient in optimizing server performance, integrating third-party services, and ensuring high availability. Skilled in collaborating with cross-functional teams to deliver user-focused solutions, leveraging technology to solve complex challenges and drive innovation..

Skills

Languages: C++, Java, Node.js, TypeScript, JavaScript,

Frameworks & Libraries: Express.js, React.js, Socket.io, Nest.js, GraphQL

DevOps: AWS (S3, Lambda, EC2, Secret Manager, Amplify, Chime), GCP (Cloud Translation API, In-App Purchases)

Databases: MySQL, MongoDB, DynamoDB

Messaging & Caching: Apache Kafka, Redis, GRPC, RabbitMQ

Others: Microservices Architecture, RESTful API Design, Real-Time Systems, Agile, Scrum, Leadership, Full-Stack Development, Performance Optimization, Unit Testing

Experience

Software Engineer, Appinventiv – Noida

March 2022 – Present

- **Backend Architecture & Optimization:** Spearheaded backend development, leading architecture design and database optimization for scalable systems.
- **Microservices Implementation:** Developed robust microservices architecture using **TypeScript**, **Node.js**, and **MongoDB**, ensuring high scalability and reliability.
- **Real-Time Communication:** Integrated **Kafka** for real-time communication, enhancing operational efficiency by 25%.
- **Advanced AWS Solutions:** Implemented **AWS Chime** for real-time video calling, along with **AWS Secret Manager** and **Amplify** for secure and scalable solutions.
- **GRPC Integration:** Enabled seamless communication between microservices using **gRPC**.
- **Caching & Notifications:** Developed caching mechanisms with **Redis** and optimized notification systems using **AWS SNS/SQS**.

Projects

Fameperks

- Developed a social media platform with email login, connection requests, guest user flow, and a **recommendation engine**, increasing user engagement by **30%**.
- Enhanced post and user discovery using **MongoDB Atlas Search**.
- Implemented a coin-based monetization system for user withdrawals.

Langroo

- Built APIs for chat, video calling, and contact syncing, supporting **1.5M+ registered users**.
- Integrated **Google Translation** for multilingual support and **AWS Chime** for real-time calls.
- Optimized feeds with **Redis**, cutting server and database response times by **25%**.
- Streamlined in-app purchases for Android and iOS, boosting subscription conversion rates by **20%**.

EVAL

- Created a ticket booking platform with event highlights and **Elasticsearch**-powered search, enhancing search efficiency by **50%**.
- Utilized **AWS Amplify**, **DynamoDB**, and **GraphQL** for scalability and performance.

Chat and More

- Integrated **ChatGPT** for conversation summaries, improving user productivity by **30%**.
- Enabled custom sticker creation and sharing, increasing user engagement by **15%**.
- Built an **AI-powered chatbot** for enhanced client service.

Kudu

- Developed REST APIs with AWS API Gateway, improving API request handling efficiency by **35%**.
- Synchronized menus and items efficiently from SDM.

Shoona

- Enhanced data security with middleware for encryption, reducing vulnerabilities by **20%**.
- Managed recommendations from both admin and clinician ends, enhancing user visibility.

Infoprofile

- Designed notification systems using NodeMailer, SNS, and RabbitMQ, reducing notification delays by **30%**.
- Successfully integrated iOS **In-App purchases** for seamless subscription management.

Conkur

- Achieved a **20%** reduction in server latency through the implementation of RabbitMQ.
- Integrated **ChatGPT** for efficient categorization of data from 3rd party platforms.

Achievement

- **Global Communication:** Developed a multilingual real-time chat application, enabling seamless communication in 115+ languages, resulting in a **20%** boost in user retention.
- **Scalable Chat Systems:** Integrated Kafka for real-time messaging, improving communication efficiency by **25%** and enabling scalability for enterprise-level applications.

Education

GITA Autonomous College, B.Tech in Computer Science

2018 – 2022

- **CGPA:** 9.1/10.0

Awards

- Winning appreciation **The Squad Award** for the client KUDU.