Rishabh Rana

Senior Software Engineer

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📇 PROFILE

A results-driven software engineer with 4 years of experience in front-end and back-end development.
- Designed scalable e-commerce and kiosk systems using **React JS**, **Node.js**, **Medusa JS**, and **Next.js**.
- Developed advanced **vector-based search** and **image search** systems with **OpenSearch**.
- Built critical projects in finances, orders, payments, and **serverless pipelines** for inventory updates, pricing, and reporting.
- Delivered high-quality, scalable solutions and transitioned into a full-stack role, earning **quarterly and annual performance awards** for exceptional contributions.

🧠 SKILLS

Skill	Level	Skill	Level
OpenSearch (Elasticsearch)	●●●●○	Node.js	●●●●●
TypeScript	●●●●○	PostgreSQL	●●●●○
Next.js	●●●●●	React	●●●●●
Medusa JS	●●●●○	Serverless Framework (SLS)	●●●●○
AWS	●●●○○	Redux	●●●●●
Material UI	●●●●●	Gatsby JS	●●○○○
Web Components	●●●●○	SASS	●●●●○
Redis	●●●●○	Graphql	●●●○○

💼 PROFESSIONAL EXPERIENCE

10/2022 – present
Gurgaon, India

Hippo Stores Technologies Pvt. LTD ⧉
Senior Executive
Played a pivotal role in the development and maintenance of the organization's e-commerce platform and kiosk systems. Demonstrated exceptional leadership and technical expertise, earning a performance award and a promotion for stepping up to manage backend responsibilities and transitioning into a full-stack role, despite being hired as a frontend executive.
Key contributions include:
- **Designed and developed the kiosk system (frontend and backend)** from scratch using **Next.js** and **Node.js**, ensuring scalability, reliability, and user-friendly interfaces.
- Internally migrated the e-commerce backend project to **Medusa.js**, modifying the framework to align with the company's specific workflows and requirements.
- **Implemented vector-based search** using **OpenSearch**, enabling efficient and accurate search functionality for the platform.
- **Built an image search system** by integrating **OpenSearch** with advanced algorithms for enhanced search capabilities.

- Developed **serverless pipelines** for product management, inventory updates, pricing updates, and reporting, streamlining operations and improving overall system performance.
- Built and maintained crucial projects revolving around finances, orders, and payments, ensuring secure and efficient workflows.
- Single-handedly managed the development and maintenance of the e-commerce system, demonstrating the ability to take ownership of critical tasks.
- Enhanced backend efficiency by leveraging **PostgreSQL**, **TypeScript**, and **Node.js** for optimized data handling and processing.
- Integrated **GraphQL** into a module to efficiently handle multiple data sources, optimizing query performance and enhancing data retrieval flexibility.

04/2021 – 09/2022 Noida, India	**Speckyfox Technologies India Pvt Ltd** Senior Software Engineer Worked on multiple projects across various domains, showcasing expertise in both front-end and back-end development. Consistently delivered high-quality, scalable, and efficient solutions, earning **quarterly and annual performance awards** for exceptional contributions. Key contributions include:

- **Developed a dashboard frontend** for a diamond e-commerce client using **React JS**, integrating APIs as per requirements. Utilized **React Context** for state management, conducted module testing, and reported bugs to the client.
- **Built the recruiter-side dashboard and login page** for a job portal using **Gatsby JS**, **React Query**, and **Material UI**. Implemented responsive design using **SASS**, centralized reusable code with **web components**, and integrated **SonarQube** and **Docker**. Developed middleware for request logging and ensured code consistency across multiple regions (Gulf and Southeast Asia).
- Created email templates for various scenarios and integrated **Graylog** with the **Winston library** for efficient error logging and monitoring.
- **Enhanced an emailer project** by adding image cropping functionality using **React-Cropper**. Built a WhatsApp automated bot using **Twilio** to send generated images to retailers. Fixed bugs in OTP and login APIs, replaced the existing API with **Twilio SMS API**, redesigned the registration workflow, preloaded assets for improved performance, and created REST endpoints for JWT token verification.
- **Implemented a gRPC proof of concept (POC)** for a seller panel in an e-commerce tool, setting up gRPC services in **Node.js** and service calls using **Envoy Proxy**. Benchmarked REST and gRPC calls to compare performance.
- Developed a **modular codebase** for new projects, enabling products to have separate builds for on-demand usage. Configured **Kong** for API management and integrated **Graylog** for enhanced system logging and troubleshooting.

Consistently applied modern technologies and best practices to meet client needs, driving innovation and efficiency across all assigned projects.

🎓 EDUCATION

Greater Noida, India	**Bachelor of Technology** Dr. A. P. J. Abdul Kalam Technical University
Ghaziabad, India	**Senior Secondary School Certificate** Deep Memorial Public School (CBSE)
Ghaziabad, India	**Secondary School Certificate** Holy Angels' Public School (ICSE)

📁 PROJECTS

Video Conferencing Application
Technology Stack: OpenVidu, JavaScript
Developed a real-time video conferencing application allowing users to participate in online meetings with features like screen sharing, recording, and chat.

Resume Search
Technology Stack: Node.js, AI, Elasticsearch
Created an AI-based resume search backend service that analyzes and ranks resumes to find the top candidates based on job descriptions. Integrated **Elasticsearch** for efficient searching and filtering of resumes, ensuring quick and accurate results for recruitment teams.

🌐 LANGUAGES

English ● ● ● ● ○   Hindi ● ● ● ● ○