

Rupak Kumar Singh

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Software Engineer with 5+ year's experience — 3+ in organizations, 2+ freelancing. Skilled in building scalable web apps and delivering clean, efficient code across diverse projects.

EXPERIENCE

Freelance, Full Stack Developer (MEAN & MERN) | (New Delhi, INDIA) 09/2022 - Present

- Delivered full-stack web applications using Node.js, Express, React, and MongoDB for clients across **e-commerce**, **edtech**, and **SaaS** industries
- Built RESTful and GraphQL APIs handling **100K+** monthly requests, improving performance by up to **35%** through optimized queries and caching.
- Migrated legacy systems to modern JavaScript stacks, reducing technical debt and boosting load speeds by **50%**.
- Integrated third-party services (**Stripe**, **Firebase**, **Auth0**, **AWS S3**) across **15+** client platforms, reducing integration timelines by **40%**.
- Automated testing and deployment workflows with **Jest**, **ESLint**, **Docker**, and **GitHub Actions**, cutting release times by **30%**.

Skugal Technologies, Software Engineer | Remote (India) 12/2020 - 03/2024

- Designed, developed, and maintained full-stack applications using technologies such as React, Angular, Node.js and MongoDB.
- Designed Robust APIs to enhance functionality and improve overall system efficiency by **30%**.
- Created automated dashboards for schools that reduced managing efforts by **70%** improving Operational Excellence.
- Designed and maintained database **schemas**, optimized queries, and ensured data integrity for scalable and efficient applications.
- Implemented CRUD operations and complex database relationships, contributing to improved system performance.

SKILLS

Front-End:- React, Angular, TypeScript
Back-End:- Node.js, Express.js, TypeScript, JavaScript
Databases:- SQL, MongoDB, Firebase
DevOps:- AWS, GCP, Docker, kubernetes, Nginx
Version Control:- Github, Bitbucket, Gitlab

PROJECTS

ERP-Skugal (URL) 12/2020 - 03/2023

- Led the complete technical development of both web dashboards and mobile applications.
- Deployed frontend applications using **CI/CD** pipelines to **Nginx** on **AWS EC2** for scalable production environments.
- Deployed backend services via **Firebase Cloud Functions** for seamless integration and scalability.
- Integrated multiple payment gateways including **Razorpay**, **Stripe**, and **PayPal**, with full support for subscriptions, **webhooks**, and **cloud schedulers**.
- Automated Google Meet link generation through integration with the **Google Calendar API**.

COINTRIBE 12/2020 - 08/2022

- Spearheaded technical development for scalable web applications, ensuring robust architecture and performance.
- Developed an auto-rejection rule engine that automatically filters out non-eligible loan applications, significantly reducing manual efforts for over **7** lending partners.
- Designed and implemented dynamic data visualization of bank statements using **Chart.js**, enabling clear insights through tabular and graphical representations.
- Deployed web apps on **AWS EC2** with **Nginx** and **CI/CD** for automated, high-availability production.

HMAM 01/2021 - 12/2021

- Led end-to-end technical development for web applications, ensuring performance, scalability, and reliability.
- Made key decisions on the technology stack, aligning project requirements with modern development practices.
- Developed and deployed Cloud Functions on **Google Cloud Platform (GCP)** to support backend operations and automation for the dashboard.
- Integrated **Mortech APIs** to fetch real-time property interest rates based on U.S. locations, enhancing accuracy in mortgage-related services.

EDUCATION

IGNOU University, Bachelor's Degree in Computer Application | New Delhi, INDIA

06/2020

Percentage: **70%**