Divyansh Rai

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SUMMARY

Experienced backend and data engineer with 2+ years in Node.js and Python, specializing in building robust APIs, scalable features, and handling extensive data.

EXPERIENCE

Software Engineer

GlueLabs   **August 2022 - Present**

· Worked on events dataset of **shopify**, performing events stitching and developing SQL queries to extract data based on specific requirements.
· Created a microservice (**file-service**) responsible for managing all files and media across all products, ensuring efficient and secure storage and retrieval.
· Utilized **Redis** to significantly reduce latency for the product's feed and user profiles, which increased the performance upto **40%**.
· Implemented complex payment integration on the platform, including onboarding users as merchants, conducting KYC processes, and facilitating direct payments between consumers and merchants.
· Handled events using queues to enhance application performance and reliability.

Software Engineer Intern

GlueLabs   **January 2022 - July 2024**

· Developed and implemented image optimization processes, adding support for managing media with different resolutions for different use cases, which increased the performance for media fetch by **60%**.
· Wrote scripts to compress existing images, reducing storage space and improving load times up to **50%**.
· Designed and developed various APIs, including those for managing drafts, grouping posts, and tagging users in posts.
· Utilized **Meilisearch** to develop complex search APIs. Integrated account deletion and blocking features into a people-focused platform designed for meetings, knowledge sharing, and podcasts.
· Integrated **Kafka** events for user analytics in the admin portal, delivering actionable insights to enhance decision-making within our platform.

PROJECTS

File Management Service

· Developed a backend service that manages media uploads and integrates with AWS, Cloudinary, and other platforms.
· Implemented support for managing media in various resolutions and integrated CloudFront for faster retrieval.

Globe Trotter, Nasa Space Apps

· Solved the Problem Statement Regarding Data Visualization in NASA's World Wide Technology using their existing APIs
· Made a web app that fetches the data from the NASA API and decodes data to JSON

Other Projects

· **Mezerate, School Management Application**
  Application for the students to find all their study stuff. Having attendance management system including teacher timetable. **Used by more than 500 students**
· **Qudio Health, Esya: HACK IIITD**
  Solved the major problem in healthcare of online booking and consultation system. Designed a functional app in react native and Web in reactJS and server build using nodejs.

EDUCATION

Bachelor of Engineering, Computer Science

Thapar Institute of Engineering & Technology · Patiala · 2022 · 7.74

Senior Secondary

Montessori Cambridge School · Pathankot · 2018 · 85% in 12th (Non Medical)

SKILLS

NodeJS | NestJS | Javascript | TypeScript | Python | HTML | CSS | C/C++

PostgreSQL | MongoDB | MySQL | TimeScaleDB | Clickhouse | Redis

AWS | EC2 | S3 | SES | Cloudfront | Nginx

ACHIEVEMENTS

Hackathons & Competitions

· Nasa Space Apps Challenge (Chandigarh University, 2019, 2nd Runner up)
· Esya: HackIIITD (Delhi, August 2019, Runner Up)
· ELC Robotic Arm (TIET, Patiala, Winner)