

Harsh Sharma

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WORK HISTORY

Mobileum

Jan 2024 – Present

Associate Software Engineer

Bangalore, India

- Built a high-performance Ad-Hoc Reporting System using **ReactJS**, **REST APIs**, enabling users to dynamically select columns and export **50M+ record** datasets to CSV in under 4s via **Trino** and **Elasticsearch**.
- Optimized SQL performance for **100M+ records** by implementing **PostgreSQL indexes, partitions**, and advanced query tuning. Architected business logic and **designed scalable data flows** for high-throughput applications.
- Developed multiple secure, automated file export services using **AES-256 encryption** and scheduled **SCP, SFTP, and RSYNC** transfers with Linux cron jobs, ensuring data compliance and delivery integrity.

Yapita Health

May 2023 – Nov 2023

Software Engineer Intern in Product Development

Gurugram, India

- Engineered an innovative form-filling feature using **Formik**, **ReactJs**, and **Apollo Client**, seamlessly integrated with a **Ruby on Rails** service and **GraphQL**. This dynamic solution generates PDFs from a pre-developed template, eliminating the need for cloud storage and maximizing resource efficiency by 100%.
- Enhanced payment experience by integrating PhonePe Payment Gateway on both frontend and backend. Developed a secure **Ruby on Rails REST API** for transactions and implemented real-time Zoho Invoice generation with automated customer email dispatch.

PROJECTS

Summarize AI 🐙 | *Next.js, React.js, TypeScript, Langchain, NeonDB, Gemini AI, Clerk*

- **Built an AI-powered PDF summarization platform** using **Next.js 15**, **React**, **TypeScript**, and **Gemini AI**, allowing users to generate emoji-rich summaries with real-time feedback and secure auth via **Clerk**.
- Integrated **Stripe** for full-stack subscription billing, webhook handling, and plan-based access control.
- Engineered a secure, scalable PDF upload + chunking system using **UploadThing**, **Langchain**, and **NeonDB (PostgreSQL)** with AES-256 encryption.

E-Commerce Dashboard 🐙 | *ReactJs, MongoDB, NodeJs, ExpressJs*

1. Reinforced an E-Commerce Dashboard to enable users to track product inventory, quantities, and pricing, utilizing **React.js** for frontend development and **Node.js with Express.js** for backend services.
2. Developed **REST APIs** to optimize data flow between the frontend and backend, leveraging **MongoDB** and **Mongoose** for database operations.
3. Implemented **User Authentication** with sign-in and sign-up functionality, utilizing **JWT (JSON Web Token)** for secure session management and subsequent operations.

ACHIEVEMENTS

- Solved 1500+ **Data Structures and Algorithms** on **LeetCode 🐙** | **GeeksForGeeks 🐙** | **CodingNinja 🐙**
- Secured **All India Rank 5th** position nationwide in the **Healthkart Hackathon**, June 2022

TECHNICAL SKILLS

Core: Data Structure and Algorithms, Operating System, Database Management System, Computer Networks.

Languages: ReactJS, NodeJS, MongoDB, C/C++, Python, Java, NextJs, SQL, JavaScript(ES6), Ruby on Rails

Developer Tools: Visual Studio Code, GitHub, IntelliJ, Eclipse, Git, Docker

EDUCATION

Graphic Era University

Dehradun, India

B.Tech in Computer Science and Engineering | CGPA : 8.91/10

June 2019 – June 2023

Holy Cross Sr. Sec School

Laksar, Uttarakhand

Class XII | SCORE : 95.6%

May 2018 – May 2019

Holy Cross Sr. Sec School

Laksar, Uttarakhand

Class X | SCORE : 10/10 CGPA

May 2016 – May 2017