

Aditya Sharma

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Summary

Dynamic and results-oriented software developer with over one and a half years of hands-on experience in full-time roles and six months as an intern. Adept at collaborating with cross-functional teams to achieve project milestones and deadlines. I like to stay updated with emerging technologies.

Education

B.E. BITS Pilani - Hyderabad, Computer Science

Aug 2018 to May 2022

- **Coursework:** Database Management Systems, Computer Architecture, Algorithms, Information Retrieval.

Experience

MediBuddy, SDE-1

Bengaluru, Karnataka

June 2022 - Current

- Developed and maintained multiple software projects.
- Experience in Growth and Fintech Projects
- Contributed to various cross-platform projects, ensuring seamless integration and functionality.

DELL - Research And Development, Undergraduate Intern

Bengaluru, Karnataka

Aug 2021 - Dec 2021

- Worked with video buffers and virtual machine-based end product
- Significantly improved performance of the system through optimization techniques.

Projects

BioMedical Chatbot

- A chat-based user interface to provide medical assistance to users. Leveraged Elasticsearch for data indexing and utilized state-of-the-art models including ADA2 and Microsoft's BIOMEDBERT for semantic matching of patient chat inputs. The Experimental versions include the integration of LLM.
- SvelteJS, NestJS, AWS StepFunctions, AWS Lambda, Open Search, Python, Prompt Engineering.

Unified Benefits

- Provided users with a streamlined interface to access and manage their corporate benefits, enhancing user engagement and satisfaction while maintaining strong SEO performance across platforms (Web/Android/iOS).
- V0 version included Static-Site Generation with Nextjs and Cloudfront caching involved on the topmost layers.
- Integrated Clevertap and Cross-platform communication providers in the web service workers.
- NextJS, NestJS, TRPC, Typescript, Redis Pub/Sub, AWS ECS, AWS Cloudfront, SSR, SSG, daisyUI.

Asynchronous Download Feature

- Implemented a generic system to download the requested data using Kafka and Lambda for efficient aggregation of resource consuming data, so that, client can come to the platform at any time (within a time frame) to get back the requested data.
- Several services within MediBuddy utilized a Kafka topic for chunked logic initialization. A Lambda queue consumer handled the computation, updating corresponding Redis keys. Upon reaching 100 percent, data was segregated, and a pre-signed URL for the final PDF was generated
- Python, Kafka, AWS Lambda, Redis, AWS SES.

Unified Transaction History

- Implemented design principles to develop a unified transaction viewing platform, aggregating data from diverse sources including wallets, payment gateways, coupon codes, and sponsored purchases. By adhering to solid design principles, the project ensures a cohesive and intuitive user experience, facilitating efficient navigation and analysis of transactional data across multiple channels.
- Typescript, Express, Swagger, Object Oriented Programming, Design Principles.

Claim Automation

- Developed entire back-end for settlement of the utilized wallet by raising claims through partner's API. Settlement percentage increased from 40 to 97 by achieving a higher level of parallel, error-handeling and retry mechanism.
- Created a Robust service using circuit breakers and Redis to check the health of third-party API's.
- Achieved monitoring through Grafana dashboard to monitor queue offsets and integrated Kibana logs for more visibility on tracking claims
- Typescript, Express, Kafka, Kibana, Redis

Technologies

JavaScript, TypeScript, Nodejs, Nestjs, Reactjs, Nextjs, Sveltejs, SQL, Kafka, ejs, Redis, Prisma

AWS: EC2, ECS, Cloudfront, Lambda, S3

SOLID Principles, Design Principles, Microservice Architecture