Rahul Singh

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Skills

`MongoDb` `Python / Golang / Java / JS / Rust` `Docker` `API Design` `System Design`
`Web Technologies` `Amazon Web Services` `Performance Optimization` `A/B Testing`
`Machine Learning`

Experience

Senior Member Technical Team   Apr 2024 - Present

Karza Technologies

- Improved the existing PDF generation solution to be **50% faster** and **75% cheaper** on lambda.
- Pioneered a new PDF generation solution for the next iteration of our product to increase **scalability** and **remove frontend dependency**.
- **Leading** the recent integration of SBI requirements into our SAAS offering.

Software Engineer   Jul 2022 - Apr 2024

Karza Technologies

- Developed a plug and play GSP module to **optimize calls reducing our cost**, providing **fallback mechanisms**, **rate limits** and **quota controls** for GSP usage in our services.
- Collaborated with the data science team to develop an **in-house PDF parsing** solution for GST reports **saving cost** on third party dependencies.
- Developed a **CLI tool** enabling developers to test our serverless code locally enabling **faster development**.
- Redesigned various client and internal configurations allowing **easier control**, more **scalable design** and ensuring our client's **on-premise deployment needs**.
- Created **configuration driven plugins** for our **webhook module** to support different **Authentication and Encryption** requirements in our product.

Software Engineer Intern   Dec 2021 - Jul 2022

Karza Technologies

- Worked on the development of **FIU product** following all compliances.
- Contributed to an organization level **webhook module** implementing **PGP and JWT** authentication.
- Streamlined the **billing systems improving dashboard latencies** and **reducing invoicing time** from days to minutes.
- Contributed to an organization wide on-demand **encryption module**.
- Built an **HA-Proxy monitoring** solution with email alerts and a **desktop application**.

Software Engineer Intern Aug 2021 - Dec 2021

Fridayy AI
- Developed the **microservices** architecture backend for a **B2C application** running on **ECS**.
- Developed a **B2B web application** that consists of a **rule engine** for creating and deploying smart campaign contracts to lambda function.
- Developed an **SMS categorization** and **parsing/data extraction module** using ML that powered our **B2C mobile application**.

Software Engineer Intern Dec 2021 - Jul 2022

ReferPlease
- Developed a **neural network** that works as a **moderator** for the platform.
- Developed a **web scraping** solution to scrape multiple sources, find relevant tech job referral posts, verify them with our moderator and add them to the platform.
- Developed a **PWA** for the platform that functions as a mobile, desktop and web app.
- Worked with the founders in assisting our users, technical support, **A/B Testing and customer feedback**.

Education

Sharda University Jul 2018 - Jul 2022

BTECH CSE