Shouvik Mitra

Full Stack Software Engineer

Developing innovative, production-ready products/solutions that generate tangible business results and create an impact at scale.

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WORK EXPERIENCE

SDE 2
Nbyula

01/2022 - Present   *Bangalore, India*
https://nbyula.com

Achiehvements/Tasks

- Currently leading our engineering team.
- Built a horizontally scalable real-time messaging service using Redis & Socket.IO backend for facilitating peer-to-peer communication.
- Build AI powered collaborative editing application for writing Statement of Purpose which helps in drafting SOPs 10x faster.
- Scaled the Jitsi video conferencing infrastructure to support 100+ concurrent participants in a single meeting.
- Developed task scheduling algorithms and cloud calling functionality for our internally developed CRM Software.
- Integrated Prometheus, Grafana & Sentry for better observability, thus helping the team discover product and downtime issues faster.

SDE 1
Nbyula

07/2020 - 12/2021   *Bangalore, India*
https://nbyula.com

Achievements/Tasks

- Built multi-threaded, efficient web crawlers using Python and Selenium framework, deployed on EC2 machines to crawl data from multiple data sources by cycling IP addresses and user agents as well.
- Amongst the first software engineers who's concerted efforts has enabled Nbyula to launch the very first version of the website.
- Migrated 10+ monolithic apps to dockerized apps and deployed them using AWS Elastic Container Service with Clustered Auto Scaling thereby reducing scaling time by 80% using Warm Pool and cost by 60% using Spot Instances.

EDUCATION

B. Tech in Computer Science Engineering with Specialization in Big Data Analytics
DIT University

01/2016 - 12/2020   *8.24 GPA out of 10 GPA*

Executive Post Graduate Diploma on Software Development with Specialisation in Cloud Computing
IIIT Bangalore

09/2021 - 11/2022   *3.58 GPA out of 4 GPA*

SKILLS

`HTML` `CSS` `React.js` `Node.js` `Azure` `TailwindCSS` `MongoDB` `Java` `Docker` `Jenkins` `AWS` `Typescript` `Shell` `RabbitMQ` `Kafka` `Hadoop` `MySQL` `MongoDB` `Redis`

PERSONAL PROJECTS

ImageLint
- A server-less function that helps in dynamically resizing images using Lambda@Edge and caching them on S3.
- Image dimensions are read from the query parameter and the image is resized using a server-less function. The image is then stored in S3 so that future calls for similar dimension wouldn't need computation efforts.

Whatsapp Web API
- An API layer on top of a Puppeteer instance running web.whatsapp.com
- Capable of sending and receiving messages

ACHIEVEMENTS

Won MLH Hackathon powered by Github
Developed a simple website builder which enables developers to edit a website using WYSIWYG editor

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Bengali
Full Professional Proficiency

INTERESTS

`Blogging` `Hackathons`