Bhavi Dhingra

bhavidhingra.dev | bhavi.dhingra@gmail.com | +91-7503851707

EXPERIENCE

SWIGGY | Software Development Engineer - II
Oct 2021 - present . 8 mos | Bangalore, Karnataka
Independently scoped, designed and implemented the changes necessary to use a low cost secondary storage i.e. Amazon S3, that would replace the existing SQL database i.e. TokuDB.

- Maintained the query latency under existing values inspite of S3 being a non-indexed storage. To accomplish this, an **S3 index table** was created explicitly using DynamoDB.
- Implemented a mechanism to efficiently fetch, convert from json format to protobuf format and write the **19 TB** of order data to the S3 bucket.
- Had zero downtime during the migration to the new archival storage.

SWIGGY | Software Development Engineer - I
July 2020 - Sept 2021 . 1 yr 3 mos | Bangalore, Karnataka

- Enabled the Order Data Service to read from Amazon DynamoDB using the AWS Go SDK. Quickly became the go-to guy for all things DynamoDB.
- Optimized the existing DynamoDB configuration, by replacing two full GSIs with only one partial GSI and additional DB lookups, thereby reducing the overall DynamoDB table cost by **over 60%**.
- Designed the order data archival pipeline comprising of Amazon DynamoDBStreams, AWS Lambda functions, Amazon S3 and SQS.
- Implemented the gRPC client's retry mechanism with exponential backoff algorithm, by diligently diving into the official gRPC. documentation
- Shared the widely used git commit conventions and PR guidelines on the org level to create help smaller PRs and better commit history.

SAMSUNG (SRI-DELHI) | Lead Engineer (Last Avtar)
July 2012 - July 2018 . 6 yrs. | Noida, UP

- Developed a caching mechanism using bash script, to remove the download time bottleneck and reduce the overall development time.
- Applied the produce-consumer mechanism to implement a framework for launching debug tools from a SmartTV remote control.

PROJECTS

CUSTOM-GIT.IO | Bash
An open source, general-purpose, highly efficient command line git tool.

MAPREDUCE IN C++ | Word Count & Inverted Index
Worked in a team of four to implement a MapReduce framework (in C++), a programming model suitable for processing of huge data sets with a parallel, distributed algorithm on a cluster.

PEER-PEER FILE SHARING | Torrent
Sept 2018, IIIT Hyderabd
Implemented a peer-to-peer file sharing system in C++, similar to BitTorrent, using socket programming and multithreading concepts.

RECENT AWARDS

2021	Swiggstar Award	Swiggy
2019	Dean's List Award	IIIT Hyderabad
2017	Spot Recognition Award	Samsung (SRI-Delhi)

EDUCATION

IIIT HYDERBAD
M.Tech in Computer Science
May 2020 | Hyderabad, Telangana, AP
CGPA: 8.75 / 10

IIT ROPAR
B.Tech in Electrical Engineering
May 2012 | Ropar, Punjab
CGPA: 7.91 / 10

DPS, MATHURA ROAD
10+2: 90.2% | 2008 | CBSE
10: 92.5% | 2006 | CBSE

SKILLS

MAJOR LANGUAGES
Java
Golang
C / C++
Python
Bash Shell

TECH FRAMEWORKS
Java Spring
AWS (Amazon Web Services)
gRPC

COURSEWORK

Optimization Methods
Software Engineering
Advanced Problem Solving

LINKS

Github:// **bhavidhingra**
LinkedIn:// **bhavidhingra**
</> LeetCode:// **bhavidhingra**
</> Interviewbit:// **bhavidhingra**

EXTRA-CURRICULAR

Functional Fitness
Reading
Listening Audio-books
Badminton