

Udhav Agarwal

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EXPERIENCE

Finnovation Tech Solutions Pvt. Ltd, Bengaluru — Lead Platform Engineer

2021 April- PRESENT

As a lead platform engineer I have been responsible for

- Leading the team to achieve all the set goals
- Design, develop and Deploy projects end to end
- Analyze problems and find creative solutions
- Designing the application both on the infra as well as the code front

Projects of Note:

1. KBRM (KBs Replication Magic)

It is an **Initial load and C.D.C** project with the following aims:

1. Real Time sync of data from MySQL to a variety of Destinations
2. Ability to move the system back and forth in time
3. Ability to recover from crashes without losing data
4. Ability to detect and deal with lags automatically
5. Ability to catch up in case of crashes, creating huge lags
6. Should be capable of handling TBs of data every single day
7. Should be memory and CPU efficient

And Much More.

Languages Used: Golang

Technologies Used: AWS Redis, AWS EC2, AWS Aurora, AWS EMR, AWS FSX

for Open ZFS, Trino, Redis, Hue, MinIO, Docker, Docker Compose

2. KBRM Manager

This project was developed to manage the KBRM project.

This project had the following responsibilities:

1. It should be able to monitor the status of the table replications running based on DBs
2. It should be able to manipulate the configurations
3. It should be able to add and remove tables
4. It should be able to start and stop table syncs
5. Should have a GUI and CLI both support for ease of use
6. Should be easily configurable
7. Should be able to handle multiple syncs running on multiple server reading data from multiple servers.

And Much More

Languages Used: Golang

Technologies Used: AWS Redis, AWS EC2, AWS Aurora, Redis

SKILLS

Amazon Web Services(AWS), Amazon Aurora, Ansible, AWS Lambda, Continuous integration(CI/CD), Docker, Git, GitHub, Gunicorn, Jenkins, Linux, macOS, MinIO, MySQL, Nginx, Redis, Tmux, Trino, Ubuntu, Version Control

AWARDS

- Won the Innovative company of the year award
By: Imperva
Year: 2023
Event: India Devops Show
- Won the Innovative In-House Tool development award
By: Imperva
Year: 2024
Event: India Devops Show
- Won the employee of the month award multiple times

LANGUAGES:

Golang, Python, Flask

Education:

KIIT, Bhubaneswar – MCA

2016 August - 2019 June

Completed my Masters in Computer Application
In 2019 with 9.4 GPA

SHIATS, Prayagraj — B.C.A

2013 June - 2016 June

Completed my Bachelors in Computer Application

3. Github Analytics

This project was built to collect, sanitize and visualize the github stats.

Used Redash as the graphing tool.

This project had the following responsibilities:

1. It should collect all the pull requests data
2. It should collect all the commit data
3. It should store all the info to Supabase
4. It should be able to sort data into various tables
5. It should be able to recognize dirty data

And Much More

Languages Used: Golang

Technologies Used: Supabase, Github APIs, Redash

4. KBMT(KBs Monitoring Tool)

This Project was conceptualized to consolidate the various Monitoring scripts that we had written over the years as they were becoming troublesome to manage.

We converted all the scripts written in Python, Bash etc to Golang and brought them under this tool.

KBMT supports both CLI and Slack invocations.

It had the following responsibilities.

1. Scan all S3 bucket policies for any Allow All permissions
2. Scan and correct ACL policies of the bucket to prevent them from being public
3. Scan all the lambda and ECS logs to detect Go Panics
4. Scan all the lambdas' variables to detect certain values
5. Shutdown and startup dev servers based on time and weekends

Synamedia, Bengaluru — Senior Software Developer

2020 August - 2021 June

As a software engineer I was responsible for

- Writing clean and maintainable code
- Maintain the existing code
- Analyze the bugs and troubleshoot them

Finnovation Tech Solutions Pvt. Ltd, Bengaluru — Software Engineer

2019 May - 2020 August

As a software engineer I was responsible being a part of the devops team

- Wrote an env management tool to replicate and manage all the infra needed to develop the features
- Design and solve various infra related issues
- Write code to full fill all the monitoring needs
- Implement the CI/CD pipeline for the company

Lavale Networks, Bengaluru — Software Engineer

2018 August- 2019 Feb

As a software engineer I was responsible being a part of the devops team

- Wrote maintainable Libraries in golang to be used by other in the future
- Wrote a AAA tool in golang such that it can Authorize, Authenticate and Analyze the user and can be placed in front of any module.