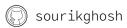
# Sourik Ghosh

## Software Developer Engineer







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#### **EXPERIENCE**

WINUALL | SOFTWARE DEVELOPER ENGINEER FEB 2021 – Current

- → Developed robust scalable micro-service using Golang with production-ready tracing, metrics, and logging using Open-Telemetry and Prometheus.
- → Engineered major feature releases for the platform like coupon system, live-class, and quiz which attracted more customers and grew organization revenue by 200% in the first nine months.
- → Introduced TDD or Test Driven Development in the organization that led to increase in test coverage from 0 to 60%.
- → Collaborated in major refactoring of a big NodeJS monolith into micro-services mostly written in Go that led to more readable, clean, and testable code base.

## **OPEN SOURCE**

## GOOGLE | GO-GITHUB

2022 | PULL REQUEST LINK

- → Implemented security advisory events that provides information about security-related vulnerabilities in software on GitHub.
- → Added support for code scanning alert events to analyze the code in a GitHub repository to find security vulnerabilities and coding errors.

#### PROMETHEUS | GO-CLIENT

2022 | PULL REQUEST LINK

→ Improved Prometheus collect and gather metrics testing with better error handling and enhanced metric diffs.

## MESHERY | MESHERY

2022 | PULL REQUEST LINK

→ Debugged and fixed user preference persistence for lifetime of the Meshery Server deployment when signed in under the Local and Remote Provider.

## **PROJECTS**

NOTIF | GOLANG, NATS-JETSTREAM, OPENTELEMETRY, JAEGER

#### 2021 | PROJECT LINK

- → Distributed notification micro-service written in Golang leveraging nats jetstream with distributed tracing using open-Telemetry, B3 for propagation and jaeger to
- → Nats JetStream is used as a distributed workQueue and consumes the event with a pull based consumer.

**APEX** | GOLANG, GRPC STREAMING, SCYLLADB, COBRA

#### 2021 | PROJECT LINK

- → Apex uses Golang concurrency primitive to concurrently upload files from given directory and archives it to store in the ScyllaDB cluster using gRPC streaming.
- → It benefits by storage layer ScyllaDB, which is a distributed real-time big-data Database and by bi-directional streaming to uplaod chunk-data of blob to server

#### **EDUCATION**

## SISTER NIVEDITA UNIVER-SITY

BACHELOR'S IN COMPUTER SCIENCE AND ENGINEERING 2018 - Present

#### ARMY PUBLIC SCHOOL

CLASS XII | STREAM COMPUTER SCIENCE 2017-2018

## SKILLS

#### **LANGUAGES**

Golang • Javascript • C++ • Python

#### DATABASES

PostgreSQL • MongoDB • Redis • ScyllaDB

#### **TOOLS**

openTelemetry • Jaeger • Prometheus • Kafka Kubernetes • Docker

#### **ACHIEVEMENTS**

#### JATAYU, VIRTUSA

2020 | Internship/Job Offer Proof of concept on the smart billboard with IOT based crowd de-tection. I have developed a real-time edge device agent to connect billboards with Al crowd detection backend using C++.

#### Coursework

Software Engineering • Web Technology • Database Management Systems