

# 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 visualize.
- 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 upload chunk-data of blob to server

## EDUCATION

**SISTER NIVEDITA UNIVERSITY**

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 detection. I have developed a real-time edge device agent to connect billboards with AI crowd detection backend using C++.

## COURSEWORK

Software Engineering •  
Web Technology •  
Database Management  
Systems