

# Nikhil Sharma

[nikhilsharma230303@gmail.com](mailto:nikhilsharma230303@gmail.com) | [Github Profile](#) | [LinkedIn Profile](#)

## SKILLS

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**Languages:** Go, C++, Java, JavaScript

**Frameworks:** Gin, Echo, Gorilla, HttpRouter, Net/HTTP, gRPC, webRTC, websockets

**Tools:** Docker, Kubernetes, Kubebuilder, Triggernesh, OpenFaas, RabbitMQ, Kafka

**Databases:** PostgreSQL, MySQL, Redis, Mongo

## WORK EXPERIENCE

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### GREEDYGAME

Remote

Backend Developer Intern

Nov 2023 – Jan 2024

- Implemented and optimized tournament creation functionality in a quiz application using Golang, focusing on seamless integration, categorization, and scheduling mechanisms.
- Contributing to the development of a peer-to-peer service within the application to facilitate one-on-one competition.

### TRIGGERMESH

Remote

SWE Intern

Jun 2023 – July 2023

- Contributed to [tmctl](#) (Triggernesh's CLI to manage event-driver applications). My [contributions](#).
- Researched for Triggernesh's new feature to make AWS lambda functions run on K8s and triggering them with Triggernesh

### INFRA CLOUD

Remote

Product Engineering Intern

Nov 2022 – April 2023

- Contributed to [Fission](#)(serverless framework for Kubernetes). My [contributions](#).
- Contributed to [NineOps](#)(Cloud Native tool managing cluster heart-beat and faster recovery). I worked on issues related to self-signed certs and local testing.

### CNCF(Cloud Native Computing Foundation)

Remote

LFX Intern

Sep 2022 – Nov 2022

- Contributed to [Kyverno](#)(policy engine designed for Kubernetes).
- Integrated a new [cleanup-rule](#) into Kyverno's policies for scheduling the cleanup of specified Kubernetes resources.

### CNCF(Cloud Native Computing Foundation)

Remote

Google Summer of Code Intern

Jun 2022 – Sep 2022

- Create a new Kubebuilder Golang Plugin([deploy-image](#)) for providing users with an operator solution to deploy and manage an image on a Kubernetes cluster.
- Demo: <https://www.youtube.com/watch?v=UwPuRjjnMjY>

## OPEN SOURCE CONTRIBUTIONS

- Open Source Cloud Native projects I have made contributions to are: **Kubernetes, Minikube, Kubebuilder, Openfaas, Cilium, Kyverno, Operator-SDK, Fission, tmctl**.
- My [contributions](#) (101 merged pull-requests).

## PROJECTS

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**Quasar:** Video conference application with a collaborative code editor.

**Backend:** Go | **Frontend:** JavaScript | **Communication:** WebRTC and Websockets | **Storage:** MongoDB(data for users, chats and chat rooms) | **Session Management and Authentication:** Cookies

**Chatterfly:** Chat application.

**Backend:** Go | **Frontend:** JavaScript | **Communication:** Websockets | **Storage:** MongoDB(data for users, chats and chat rooms), RedisDB(data for session management) | **Session Management and Authentication:** Cookies

**Marketplace:** Market environment. Use of **gRPC** server for the market services and a **web** server connected as a client.

**Language:** Go | **Database:** Mongo

## EDUCATION

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Bachelors of Engineering( Computer Science )

2021 – 2025