Rehan Qureshi

### Senior Software Engineer

Experienced Software Engineer with 3 years of expertise in backend development, specializing in Go, gRPC, GraphQL, and NATS . Skilled in designing scalable microservices, real-time data streaming, and system orchestration using Nomad and AWS . Proficient in Flutter and ReactJS for frontend integration. Passionate about building high-performance, distributed systems and delivering innovative solutions in cross-functional teams.



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# WORK EXPERIENCE

## Intern

### Persistent System Ltd

*12/2021 - 06/2022*

 Completed Java and Maven training modules during internship, gaining foundational knowledge in Java programming and Maven build automation.

 Engaged in AWS Practitioner training, acquiring skills in cloud computing fundamentals and AWS services.

## Software Developer

### Persistent System Ltd

*06/2022 – 06/2024*

 Served as a backend developer on client projects utilizing

GoLang, contributing to the development of robust and scalable backend systems.

 Leveraged Flutter to develop Android, Windows, and Mac applications, demonstrating versatility and proficiency across multiple platforms.

 Played a key role in the development lifecycle, from conceptualization to deployment, ensuring high-quality and user-friendly software solutions.

## Senior Software Developer

### Persistent System Ltd

*06/2024 – Present*

 Designed and developed a Backend-for-frontend service using

GraphQl, integrating with instrument Service via gRPC for

Real-time and on demand data.

 Leveraged NATS for efficient data storage and real-time updates,

Enabling GrapgQl subscriptions and direct control functionality.

 Built a report service for ICP-OES application and exposed it with

rRPC endpoints.

# EDUCATION

## B.Tech

### Vishwakarma Institute of Information Technology,Pune

*06/2018 - 07/2022*

*Courses*

-Information Technology

# HACKATHONS

# Semicolons 2023: Build a code pipeline for vaccine development procedure.

# *Participated*

# Semicolons 2024: Build an app for notes, summary and sample test generation using Gen AI.

# *Won best use of Azure Open AI*SKILLS

Go

C++

Flutter

JavaScript

Dart

AWS

NATS

gRPC

GraphQL

React.js

**PROJECTS**

#### IDA\_Offshore\_1 (01/2025 - Present)

 Designed and developed a Backend-for-Frontend (BFF) service to provide client applications with necessary instrument data via GraphQL.

 Integrated with the Instrument Service using gRPC to retrieve both real-time and one-time data streams.

 Stored instrument data in NATS buckets , making it available for efficient querying and real-time updates through GraphQL subscriptions.

 Implemented direct control functionality , enabling bidirectional communication between the client and the instrument service, allowing real-time status updates.

#### JAMUN\_AES (07/2024 - 01/2025)

 Developed a Report Service in Go to support report generation for the ICP-OES desktop application.

 Integrated NATS messaging for listening to report generation requests and processing them accordingly.

 Implemented a gRPC layer to enable seamless consumption of the service by a .NET SDK.

 Deployed and managed the service using Nomad , ensuring efficient orchestration and scalability.

#### CISCO:CX: DKIT\_Dev Support Platform (09/2022 - 06/2024)

 Identified and resolved software bugs within a learning application developed in Go, ensuring smooth operation and enhancing user satisfaction.

 Migrate eReader application from Cordova to Flutter, optimizing performance and user experience across platforms.

 Contributed to the development efforts of the EST mobile application, collaborating with the team to deliver features aligned with user needs and preferences.

 Added observability library from ciscoU into their several services improving system visibility and troubleshooting capabilities for enhanced reliability.

#### Digital Era Kids (05/2021 - 12/2021)

 Developed a Flutter Android application catering to the needs of Era Kids, facilitating seamless communication and management between administrators, parents, students, and teachers.

 Developed tools for administrators to handle student-related tasks and for teachers to chat with students.

 Stored all the data securely using Firebase Firestore, making sure everything is organized and easy to access.