

MOHD KAMRAN TAHIR

[CONTACT](#)

Senior Backend Engineer

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Backend-focused Senior Software Engineer with 5+ years of experience architecting high-throughput distributed systems, event-driven architectures, and scalable microservices. Proven expertise in Golang, Node.js, Kafka, and AWS, with a track record of building data pipelines capable of processing 100k+ events per minute. Adept at optimizing cloud infrastructure, database schemas, and CI/CD workflows to ensure 99.9% system availability under heavy concurrent load.

TECHNICAL SKILLS

Backend Languages

Golang, Node.js, TypeScript, SQL

Cloud & Infrastructure

AWS (Lambda, API Gateway, Kinesis Firehose, S3, Athena, Glue), Kubernetes, Docker

DevOps & CI/CD

GitOps, ArgoCD, Jenkins, GitHub Actions

Architecture & Messaging

Microservices, Event-Driven Architecture, Kafka, NATS.io, REST APIs, Serverless

Databases & Caching

PostgreSQL, MongoDB, DynamoDB, Redis

Keywords

Golang • Node.js • Kafka • AWS • Temporal.io • Event-Driven Architecture • Microservices • Kinesis Firehose • NATS.io • PostgreSQL • Kubernetes • CI/CD • GitOps • ArgoCD

EXPERIENCE

LeapOCR.com

Dec 2025 — Present

Founder & Lead Backend Engineer • Document extraction & SDKs

- Architected and deployed a highly concurrent document extraction platform using Golang, orchestrating complex multi-engine asynchronous workflows (Vision OCR + LLM QA) to achieve 99.9% data accuracy.
- Implemented Temporal.io to manage robust, fault-tolerant job queues, ensuring reliable state management, automated retries, and zero dropped payloads during high-traffic spikes.
- Engineered an event-driven webhook architecture and developed official type-safe SDKs (Go, Python, TypeScript) to allow seamless, sub-50ms latency integrations for enterprise clients.
- Designed a strict zero data retention pipeline processing 50,000+ documents/week.

Zeller (India)

Dec 2024 — Dec 2025

Senior Software Engineer (Backend) • POS integration & microservices

- Led the backend integration of Tevalis POS with Zeller's distributed ecosystem, engineering fault-tolerant data synchronization across multiple point-of-sale architectures.
- Architected and deployed highly available microservices using Golang, Node.js, and AWS, significantly improving data consistency across the payments network.
- Optimized infrastructure multi-layer caching and parallelized workflows, successfully slashing CI/CD build and test execution times from 40 minutes to 8 minutes.
- Strengthened system reliability by expanding automated integration testing coverage for critical backend services, eliminating high-severity post-deployment regressions.

Freelance

May 2024 — Dec 2024

Independent Software Consultant (Backend & Cloud) • Client delivery & AWS migrations

- Partnered with clients to design, build, and scale backend architectures, focusing on REST API development, database optimization, and AWS cloud migrations.
- Engineered secure, high-performance data ingestion endpoints and optimized complex SQL queries to reduce latency for client applications.
- Led the full backend + CI/CD + DevOps end-to-end launch for Buildrappo (buildrappo.com).

Shiba Inu (USA / Remote)

Jul 2023 — May 2024

Software Development Engineer II • Event analytics pipeline

- Engineered an end-to-end event analytics pipeline utilizing AWS (API Gateway, Kinesis Firehose, Glue, S3, Athena) capable of ingesting and processing over 100,000 events per minute with sub-second latency.
- Built and scaled high-throughput data ingestion microservices using Golang and NATS.io, ensuring zero data loss during traffic spikes.
- Developed a centralized Ads and Analytics SDK/backend in TypeScript to standardize real-time event tracking and analytics aggregation.
- Streamlined DevOps operations by refactoring Dockerfiles and containerization strategies, reducing average image sizes by 80–90% and decreasing deployment times.

GoKwik (India)

May 2022 — Jul 2023

Software Development Engineer • Payments & webhook infrastructure

- Architected an event-driven Kafka queue system for high-volume webhook consumption, ensuring reliable, decoupled message processing between Shopify, WooCommerce, and internal microservices.
- Spearheaded the backend system design of a new partial payments architecture using Node.js, TypeScript, and PostgreSQL, driving a 20%+ reduction in order cancellations.
- Developed highly concurrent backend services to support a one-click WhatsApp login feature, successfully handling traffic from an active user base of over 40 million.
- Integrated Redis caching layers to drastically reduce database read loads during peak e-commerce flash sale events.

Deloitte (India)

Jan 2021 — May 2022

Software Engineer • Serverless applications

- Built high-performance, scalable serverless applications utilizing AWS Lambda, API Gateway, and Node.js, optimizing compute execution times and reducing infrastructure costs.
- Designed highly available NoSQL database structures using AWS DynamoDB to support rapidly scaling enterprise features.
- Modernized legacy architectures by decoupling monolithic systems into modular, API-first services, accelerating overall developer velocity.

Hackstrap (India — Freelance)

Jun 2019 — Aug 2019, Feb 2020 — May 2020

Backend Developer • REST APIs & integrations

- Developed and secured RESTful APIs, integrating complex third-party services and optimizing server-response times via strategic data caching.
- Managed database schemas and server-side logic to support scalable web applications, ensuring high data integrity and security.