

HASSAN RAZA

Hyderabad, Sindh, Pakistan | Open to Relocation (Lahore / Islamabad)

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Summary

Senior Backend & DevOps Engineer with experience designing production-grade backend services, high-throughput APIs, distributed systems, and web-scale infrastructure. Strong expertise in Node.js, Express.js, Fastify, MongoDB, PostgreSQL, Redis, Kafka, RabbitMQ, BullMQ, Docker, and cloud infrastructure across AWS and Oracle Cloud Infrastructure (OCI). Experienced in building scalable CI/CD pipelines, asynchronous processing systems, database architectures, containerized deployments, and high-availability production environments.

Technical Skills

Programming Languages: JavaScript, Java, Dart, C++, SQL

Backend & APIs: Node.js, Express.js, Fastify, REST APIs, GraphQL, WebSockets, Prisma ORM, TypeORM

Message Brokers & Queues: Apache Kafka, RabbitMQ, Redis, BullMQ

Cloud & DevOps: AWS, Oracle Cloud Infrastructure (OCI), Docker, Docker Compose, Nginx, Certbot (SSL), Git, GitLab CI/CD (Self-Hosted), GitHub Actions, Linux (Ubuntu Server)

Databases & Storage: MongoDB, ClickHouse, PostgreSQL, MySQL (Replication, Indexing, Schema Optimization), Redis

Testing & Tools: Bruno, Postman, VS Code, Cursor, ComfyUI API, LiveKit, Gotenberg, JsReport

Experience

Big Gorilla Apps LTD

Backend Engineer

Sep. 2025 – Present

Remote (United Kingdom)

- Architect and optimize high-throughput backend microservices and RESTful APIs using Node.js, Express.js, and Fastify.
- Design scalable database schemas, configure ORM abstractions, and integrate asynchronous processing systems using Kafka, RabbitMQ, Redis, and BullMQ.
- Engineer server-side logic, caching strategies, background workers, and load-handling mechanisms to maintain low-latency response times and high service availability.
- Collaborate with mobile and web frontend engineering teams to deliver reliable and high-performance backend APIs for production applications.

Launch Ops LTD

DevOps Engineer (Part-Time)

Feb. 2026 – Present

Remote (United Kingdom)

- Engineer and maintain high-availability Linux (Ubuntu) infrastructure powering 200+ production web applications and microservices.
- Design and execute automated CI/CD pipelines using GitLab CI/CD and GitHub Actions with SAST security scans, automated testing, and zero-downtime releases.
- Administer Nginx reverse proxies, load balancing, SSL termination using Certbot, and secure network routing for production web properties.

Verior

Director of Operations

Oct. 2024 – Sep. 2025

Hyderabad, Sindh, Pakistan

- Headed cross-functional engineering and infrastructure operations, standardizing development workflows and release protocols across engineering squads.
- Directed infrastructure scalability and server resource management across AWS and OCI, improving uptime and reducing mean time to recovery (MTTR).
- Supervised deployment of high-availability backend architectures, message queues, caching systems, and load-balancing strategies across production sites.

Verior

Backend Developer

Jan. 2024 – Oct. 2024

Hyderabad, Sindh, Pakistan

- Architected and deployed production-grade microservices and REST APIs using Node.js, Express.js, and Fastify.
- Designed relational database schemas, configured ORM mappings using Prisma and TypeORM, and optimized complex SQL queries to minimize database latency.
- Managed Git branching strategies, enforced code review guidelines, and integrated asynchronous task queues, Redis-based processing, and webhooks.

Outsourced & Freelance Contracts

DevOps Specialist & Backend Engineer

2023 – Present

Remote

- Containerized multi-tier applications across Node.js, Python, and Java runtimes using Docker Compose for streamlined development and production environments.
- Deployed and operated containerized open-source infrastructure including LiveKit, Gotenberg, JsReport, Nango, and ComfyUI engines.

Projects

Confidential Enterprise Platforms

2023 – Present

Node.js, MongoDB, PostgreSQL, ClickHouse, Kafka, RabbitMQ, Redis, BullMQ, Docker, AWS, OCI

- Contributed to the multi-year development and architecture of confidential enterprise-grade platforms supporting complex business workflows, distributed services, analytics, and production infrastructure.
- Designed and implemented scalable backend services, asynchronous processing pipelines, caching layers, database architectures, analytics pipelines, API integrations, and containerized deployments for long-running production systems.
- Worked across backend engineering, DevOps, CI/CD, infrastructure management, performance optimization, distributed processing, and production operations.
- Built and maintained services designed for reliability, horizontal scalability, fault isolation, observability, and high-volume concurrent workloads.

Nango HQ Open Source Contribution – AdRoll OAuth2 Provider

2026

TypeScript, Node.js, OAuth2, REST API, Git

- Contributed to the Nango unified API platform by authoring an end-to-end OAuth2 integration for AdRoll (PR #7562).
- Implemented OAuth2 authorization and token exchange flows, proxy API routing, provider documentation, and catalog configurations.
- Verified token refresh lifecycles and endpoint execution through automated unit and provider integration test suites.

VINTrace – Digitally Verified Vehicle Audit Ledger

Node.js, Express.js, PostgreSQL, Prisma, Redis, Docker, Nginx

- Engineered a secure backend platform for logging and auditing tamper-evident vehicle maintenance records indexed by unique VIN numbers.
- Implemented cryptographic hash chaining across maintenance log entries to protect data integrity and detect retroactive modifications.
- Built role-based access control (RBAC), audit logging, and Redis-cached API endpoints for low-latency record retrieval.

BookNest – High-Concurrency P2P Marketplace

Node.js, Fastify, MongoDB, Elasticsearch, Redis, BullMQ, Docker

- Architected a scalable peer-to-peer marketplace backend supporting location-based listing, search, and trade negotiations.
- Integrated Elasticsearch for full-text search and Redis caching to support low-latency queries across large listing datasets.
- Engineered BullMQ background workers for real-time notifications, image processing, and expired-offer cleanup.

Distributed Media Processing Pipeline

Node.js, LiveKit, WebSockets, Apache Kafka, Docker, AWS S3

- Designed an event-driven media processing system for ingesting real-time audio/video streams, processing frame assets, and exporting rendered reports.
- Used Apache Kafka to decouple high-volume media ingestion and orchestrated background conversion workers through Dockerized runtimes.

Education

Mehran University of Engineering and Technology (MUET)

Dec. 2022 – Dec. 2026

Bachelor of Science in Computer Science

Jamshoro, Sindh, Pakistan

Certifications

MongoDB: From Relational Model (SQL) to MongoDB's Document Model

MongoDB: Advanced Schema Design Patterns and Anti-patterns

MongoDB: Aggregation Fundamentals

Postman: API Fundamentals Student Expert

Languages

English: Professional Working Proficiency

Urdu: Native / Bilingual Proficiency

Sindhi: Native Proficiency