

Arif Iqbal

Senior Backend Engineer — Node.js · NestJS · TypeScript · PostgreSQL · AWS · System Design

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Open to relocation & visa sponsorship — USA, Canada, UK, EU, Gulf | Immediately available

PROFESSIONAL SUMMARY

Senior Backend Engineer with 10+ years of production experience building scalable, event-driven systems in Node.js and TypeScript. Deep expertise in NestJS microservices, async queue architectures (BullMQ, RabbitMQ, AWS SQS), PostgreSQL performance tuning, and multi-tenant SaaS design. Proven track record leading teams, owning end-to-end feature delivery, and shipping reliable systems under real-world load — from 1,000+ daily-order commerce platforms to multi-tenant enterprise SaaS. 3+ years in distributed remote teams across EU and US time zones. Immediately available.

TECHNICAL SKILLS

Backend: Node.js, NestJS, Express.js, Adonis.js, TypeScript, REST APIs, GraphQL, gRPC, WebRTC, Socket.io

Async & Queues: BullMQ, RabbitMQ (AMQP), AWS SQS/SNS — retry/backoff, Dead Letter Queue, idempotency patterns

Databases: PostgreSQL (indexing, query plans, schema design), MySQL, MongoDB, DynamoDB, Redis (cache, rate limiting, job queuing)

Search: Elasticsearch/OpenSearch, Meilisearch, Algolia — full-text, faceted filtering, relevance tuning

Cloud & DevOps: AWS (Lambda, EC2, S3, CloudFront, SES, API Gateway, SQS, SNS, Cognito, SAM), Docker, Jenkins, GitHub Actions, Nginx

Auth & Security: JWT, session-based auth, NestJS Guards, RBAC, Stripe (Checkout, Payment Intents, Webhooks, subscriptions)

Observability: ELK Stack (Elasticsearch, Logstash, Kibana), CloudWatch, structured logging

Frontend (supporting): React.js, Next.js (SSR/SSG/ISR), Vue.js, Redux Toolkit/RTK Query, Tailwind CSS, Material UI

Architecture: Microservices, multi-tenant SaaS, event-driven systems, serverless, API-first design

PROFESSIONAL EXPERIENCE

Senior Software Engineer — Sprinting Software (Remote)

Aug 2023 – Present

Project: B2C Commerce & Subscription Platform

- Owned full-stack delivery of a multi-channel B2C commerce platform handling **1,000+ daily orders** across web, mobile, and kiosk — NestJS APIs, PostgreSQL schemas, React.js frontend.
- Improved order processing speed by **30–40%** by migrating CPU-intensive tasks to **BullMQ async queues**, implementing Redis caching, and optimising PostgreSQL queries (indexing, query plan analysis, JOIN tuning).
- Integrated **Stripe** end-to-end: recurring billing, subscription lifecycle management, webhook handling, and frontend subscription UI via RTK Query.
- Implemented secure **JWT-based auth and RBAC** using NestJS Guards — enforced at API layer and reflected in frontend route protection.
- Optimized static asset delivery with **AWS S3 and CloudFront**, improving reliability and frontend load performance.

Project: Waste Management & Logistics — Multi-Tenant SaaS Platform

- Architected **multi-tenant isolation** at database, API, and frontend layers — a single codebase securely serving multiple enterprise clients.
- Built **event-driven async workflows** using BullMQ and Redis with idempotency safeguards, retry/backoff strategies, and failed-job recovery via Dead Letter Queue.
- Delivered admin portal with real-time job status dashboards, complex multi-step forms, and role-based views.

- Integrated **ELK Stack** (Elasticsearch, Logstash, Kibana) for operational monitoring, log aggregation, and analytics.

Team Lead — Web Applications — Raqtan

May 2021 – Aug 2023

- Led architecture and delivery of **3 enterprise web applications**, increasing customer engagement by **25%**.
- Replaced full-table search with **Meilisearch and Algolia**, cutting query response from **5s to under 1s** with instant faceted filtering.
- Designed **Node.js microservices** with PostgreSQL, reducing system downtime by **35%** and enabling horizontal scaling.
- Integrated **AX CRM and Pipedrive** for real-time lead tracking with **99% data accuracy**.
- Mentored **5 junior developers** — code reviews, sprint planning, and technical architecture decisions.

Team Lead — Web Applications — Salsoft Technologies

Jan 2019 – May 2021

- Built **AutoBazaar**, a real-time auction platform (Node.js + Socket.io + Vue.js) scaling to **5,000+ active users within 6 months**.
- Delivered **VillageDukaan** B2C e-commerce storefront with backend order management, multi-city delivery routing, and payment integration.
- Built a **React + Laravel API e-commerce solution** increasing client revenue by **40% year-over-year**.
- Led adoption of **gRPC and GraphQL** APIs, cutting inter-service latency by **20%**.

Senior Software Engineer — Viftech Technologies

Jun 2018 – Dec 2018

- Built **GetsPharma** (Node.js, React.js, Redux) — supply chain digitisation cutting manual errors by **50%**.
- Delivered multiple Laravel, Vue.js, and MySQL client projects on schedule.

Software Engineer — Printech Packages

Mar 2013 – Jun 2018

- Built inventory management system (PHP/Vue.js) reducing stock variance by **20%**; automated reporting saving **15+ hours/week**.

OPEN SOURCE & PROJECTS

BoltBet — High-Concurrency Real-Time Betting Engine github.com/syedarifiqbal

NestJS · TypeScript · RabbitMQ · PostgreSQL primary/replica · PgBouncer · Redis · OpenResty (Nginx+Lua) · Docker · Socket.io

- Async bet settlement via RabbitMQ Dead Letter Exchange; Lua-based distributed rate limiting + JWT blacklist at Nginx edge.
- CP consistency for financial paths; AP for live odds; idempotency via Redis `client_mutation_id`; integer money throughout.

Serverless Notification System github.com/syedarifiqbal

TypeScript · Node.js 22 · AWS Lambda · SQS · SNS · DynamoDB · Cognito · API Gateway · AWS SAM · GitHub Actions

- Event-driven async notification pipeline; full IaC via AWS SAM; DLQ with 3-retry logic; zero-touch CI/CD.

Touchdown Travels — Travel Booking Platform

Node.js · TypeScript · REST API integrations · Search & Filtering · Payment gateways

- Full-stack travel booking platform covering flights, hotels, tours, and packages with real-time availability, payment integration, and affiliate management dashboards.

EDUCATION & CERTIFICATIONS

ACCP Pro — Software Engineering · Aptech Computer Education (equivalent to 3-year software engineering diploma)

Intermediate — Govt. Premier College, 2011 | Matriculation — Hillside Public School, 2008

Building Serverless Applications in AWS · Learning AWS for Developers · AWS IAM — LinkedIn Learning

PSEB Freelancer Certificate — Pakistan Software Export Board

LANGUAGES

English — Professional | Urdu — Native