

Muhammad Ali Anjum

Senior Backend & Applied AI Engineer

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I solve difficult backend, data, and integration problems — and turn AI prototypes into reliable production systems.

SELECTED RESULTS

PostgreSQL dashboard: 15 seconds to 2 seconds. Materialized views, pre-aggregation and revised queries. [Case study](#)

Node.js processing: 5 minutes to 15 seconds. Concurrent Axios/Cheerio processing replaced a sequential Puppeteer scraper. [Case study](#)

MongoDB analytics: 26.6 million records, approximately 1-second chart queries. Time-series aggregation and materialized collections. [Case study](#)

Project-specific, reported results. See each case study for measurement context.

RECENT EXPERIENCE

Toptal client | Full-Stack Developer to Technical Team Lead

May 2023 – September 2026 | Full-time, remote

Worked directly with the technical CEO on backend systems, AI lead qualification, payments, HubSpot integrations and production debugging. Client identity confidential.

Independent client work through Upwork | Backend / Full-Stack Engineer

August 2022 – April 2023

Delivered PostgreSQL and MongoDB reporting improvements, an AWS Lambda scraper optimization, MVP backends and a TensorFlow-to-Node API integration.

Spindox S.p.A. | Full-Stack Developer

January 2021 – April 2022 | Turin, Italy

Built Node.js/Express REST services associated with Vodafone Italy, with Oracle, automated testing, CI/CD and production observability.

CORE EXPERTISE

Backend: Node.js, TypeScript, Express, Fastify, NestJS, REST, GraphQL, queues, webhooks.

Data: PostgreSQL, MongoDB, Prisma, Redis, Elasticsearch, query optimization.

Applied AI & integrations: OpenAI, Gemini, Grok, LangChain, embeddings, Stripe, HubSpot.

EDUCATION & LANGUAGES

MSc Computer Engineering, Politecnico di Torino (2017–2019)

BSc Software Engineering, NUST (2011–2015)

English: near-native | Italian: professional | Urdu: native

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Full experience and further case studies on my portfolio.