

# Mirza Muhammad Danish Baig

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## SUMMARY

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Full Stack Engineer with 1+ year of experience building and shipping production-grade web applications for real clients. Specializes in MERN and PERN stacks — crafting scalable APIs, robust backends, and polished frontends — currently engineering client solutions at MercurySols.

## EDUCATION

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Islamia University of Bahawalpur, Rahim Yar Khan – Bachelor of Science in Computer Science | Dec 2023 – Dec 2027

## TECHNICAL SKILLS

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**Languages:** TypeScript, Python, C++ **Frontend:** React, Next.js, TailwindCSS, Bootstrap

**Backend:** Node.js, NestJS, Express.js **Databases:** PostgreSQL, MySQL, MongoDB

**Cloud & DevOps:** Git, GitHub, Docker, AWS, Vercel **Tools:** Postman, Swagger, Socket.io, Beekeeper Studio, Third-party APIs (Slack, Google Calendar)

## PROFESSIONAL EXPERIENCE

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### Full Stack Engineer – MercurySols, Rahim Yar Khan | Nov 2025 – Present

- Engineering full-stack client solutions using MERN/PERN stacks with TypeScript, NestJS, and PostgreSQL for production environments.
- Implementing real-time features with Socket.io and integrating third-party APIs (Slack, Google Calendar); deploying via Docker and AWS.
- Designing scalable REST APIs documented with Swagger; managing relational data with Prisma and raw SQL across complex schemas.

### MERN Stack Developer – VirtueNetz | Jan 2025 – Oct 2025

- Developed and shipped full-stack features for real client projects using MERN stack in a professional engineering environment.
- Built RESTful APIs with Node.js/Express.js; implemented responsive React/Next.js frontends and integrated third-party services.

## PROJECT EXPERIENCE

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**Omega Nova** [NDA — Sole Developer] – Enterprise AI risk intelligence platform built end-to-end solo. LLM simulation engine (Claude/OpenAI) with structured forcing functions, real-time signal enrichment (commodities, VIX, cyber), multi-tenant RBAC, and automated morning briefs. *Next.js, NestJS, PostgreSQL, AWS Fargate, Anthropic Claude.*

**OloHR** [NDA — Contributing Engineer] – Multi-tenant enterprise HR SaaS. Fixed N+1 query bottleneck, introduced server-side pagination, integrated Slack, Microsoft Outlook (Graph API) & Google Drive, and unified dual-role RBAC into a single authorization layer. *React, Express.js, PostgreSQL, Drizzle ORM, WebSockets.*

**Demand Planner** [NDA — Contributing Engineer] – Multi-channel inventory & forecasting SaaS for e-commerce sellers. Owned Shopify OAuth/webhook integration, eBay & ShipStation connectors, seasonality-aware forecast engine, vendor-grouped PO workflow, and Stripe tiered billing. *React, Express.js, PostgreSQL, Drizzle ORM, Shopify API, Stripe.*

**Vault Enterprise E-Commerce Engine** [[GitHub](#)] – Production-grade TypeScript backend with layered architecture (controllers → services → repositories), Zod validation, Prisma ORM, and Husky automated quality gates.

**Kicks E-Commerce Frontend** [[Live](#) · [GitHub](#)] – Responsive React/TailwindCSS storefront with paginated product browsing, Swiper-powered interactive sliders, and Vercel deployment.

**Jadoo Travel** [[Live](#) · [GitHub](#)] – Travel landing page with scroll-triggered Framer Motion animations and Splide carousel, built with React and TailwindCSS.

**Solana Network UI** [[Live](#) · [GitHub](#)] – Real-time Solana metrics dashboard built with vanilla HTML/CSS/JS — no framework; IntersectionObserver-powered animated counters.

## ACHIEVEMENTS & CERTIFICATIONS

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- **MERN Stack Developer** – VirtueNetz | Jan 2025 – Jun 2025
- **Data Analyst** – Google / Coursera (Python, Pandas, SQL, Data Analysis) | Dec 2025