MUJEEB MUHIDEEN

BACKEND SOFTWARE ENGINEER

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PROFILE

- Backend Software Engineer with 5+ years of software development experience across fintech, SaaS and AI-enabled systems, including primary ownership of an embedded-finance platform that processed approximately 2-5M transactions totaling about NGN 5B.
- Designed financial infrastructure supporting 10K+ wallets/accounts/cards and APIs used by nearly 20 B2B partners, spanning double-entry ledgers, webhooks, asynchronous processing, KYC/AML workflows, data modeling and AWS operations.
- Delivered 8/8 confidential B2B client products to production at Tempo Labs, serving as main engineer on five engagements and taking backend/full-stack scopes from ambiguous requirements through architecture, QA, deployment and production handoff.

AREAS OF EXPERTISE

- **Core Competencies:** Backend Systems, API & Integration Engineering, Payment Systems, Double-Entry Ledgers, Webhooks & Async Processing, Data Modeling, AI-Enabled Backend Workflows, Production Operations
- **Programming Languages:** Go, TypeScript, PHP, SQL
- **Backend & Runtime:** Node.js, NestJS, Hono, Laravel, REST APIs, GraphQL, OAuth, Webhooks, SSE, Asynq, Clerk
- **Data & Storage:** PostgreSQL, MySQL, Redis, Supabase, S3-Compatible Storage
- **AI Development Tools:** OpenAI Codex, Claude Code, OpenCode, GitHub Copilot, Cursor
- **AI Product Technologies:** OpenAI API, AI SDK
- **Cloud & Delivery:** AWS (EC2, RDS, S3, SES), Vercel, GCP, Docker, GitHub Actions, CI/CD

PROFESSIONAL EXPERIENCE

Software Engineer **October 2024 - March 2026**

Tempo Labs (YC S23)

- Delivered 8/8 confidential B2B client products to production and served as main engineer on five engagements, owning backend/full-stack scope from requirements and architecture through QA and deployment on typical 1-3 month delivery cycles.
- Built server-side AI and data workflows with TypeScript, Hono, the OpenAI API and AI SDK, abstracting provider-specific logic while supporting SSE-streamed responses, authenticated/resumable file workflows and Supabase-backed persistence.
- Worked directly with eight client teams to design APIs and data flows, adapt to established stacks or select maintainable architectures, and ship production services using Supabase Auth/Functions/Database/Storage and Vercel serverless/edge capabilities.

Lead Software Engineer **June 2022 - October 2024**

Swerv Ltd

- Owned Swerv's backend and platform engineering end to end as the primary engineer: system architecture, database design, Go/NestJS services, public APIs, AWS infrastructure, GitHub Actions CI/CD and production incident response.
- Architected payment and double-entry ledger systems that processed approximately 2-5M cumulative transactions totaling about NGN 5B and supported 10K+ wallets/accounts/cards, including reconciliation and internal KYC/AML review workflows; the platform also powered a consumer app that reached approximately 100K combined iOS/Android downloads.
- Designed APIs used by nearly 20 SMB/startup/fintech partners, typically supporting integrations to production in about one week; built signed webhooks with retries, idempotency, dead-letter handling, logs/replay, plus Asynq/Redis background and scheduled workloads.

Mobile Engineer (Flutter), Contract **December 2021 - October 2023**
Timart Business Solutions Ltd

- Integrated GraphQL authentication and data APIs with local persistence across a production Flutter business-management app covering dashboard, sales, inventory and receipts.
- Strengthened offline-first synchronization with WebSocket updates and queued writes, allowing stores with thousands of local records to continue operating through unreliable connectivity and synchronize when online.
- Diagnosed production sync and crash issues with Firebase Crashlytics and direct customer observation, including onsite reproduction at a merchant shop; shipped minor fixes roughly weekly and larger updates about monthly through TestFlight.

Frontend Engineer, Contract **January 2022 - March 2022**
FoodNow Chain

- Built production frontend flows for a restaurant marketplace using Next.js and Tailwind CSS, integrating authentication, ordering, cart, checkout and restaurant-dashboard experiences with backend APIs.
- Implemented polling-based order tracking, Google Maps functionality, reusable components and mobile-responsive layouts across the ordering journey.
- Worked directly with the designer and CEO to translate product requirements into shipped interfaces and debug integration issues across checkout, maps and order-status flows.

WordPress Developer Intern **July 2020 - September 2021**
JDLab

- Supported delivery and maintenance of client WordPress sites, contributing UI, content and integration changes under the engineering team's guidance.
- Worked directly with clients to capture site issues and requirements, reproduce problems and translate them into actionable fixes for the development team.
- Assisted with performance, SEO and usability improvements while building early experience in client-facing software delivery and production support.

SELECTED OPEN SOURCE

PGStream | Go, MySQL, PostgreSQL | GitHub

Built a resumable MySQL-to-PostgreSQL migration CLI with bounded-memory COPY, keyset checkpoints, schema conversion and validation; documented an 83-table / 8.54M-row network migration in 10m 8s and reduced a ~1.6M-row benchmark from 90.9s to 49.4s.

S3ase | Go, PostgreSQL, Redis, Asynq, S3 | GitHub

Built a file-management service with S3-compatible storage, resumable uploads, scoped API keys, webhook delivery with retries, background processing, custom domains and usage tracking.

Dagryn | Go, Task DAGs, Deterministic Caching | GitHub

Built a local-first, self-hosted workflow orchestrator with a Go execution engine, explicit task DAGs, deterministic caching and parallel local/CI execution.

EDUCATION

Federal University of Technology, Minna **2025**

B.Tech, Computer Science - Second Class Upper Honours