

MD EBRAHIM ALI

Full Stack Engineer • NestJS / Next.js / TypeScript / PostgreSQL

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SUMMARY

Full stack engineer building large-scale CRM and e-commerce systems on NestJS, PostgreSQL and Next.js — the catalogue, inventory, order, payment and auth paths a business runs on. Five pull requests reviewed and merged by upstream maintainers at Twenty, Medusa and Saleor Dashboard (~93k combined GitHub stars), each a cause-level fix traced through an unfamiliar production codebase rather than a patch on the reported symptom. Two years shipping across TypeScript, Python/Django, relational and document data models, localised payment integrations, and AI-assisted document workflows (OCR, LLM).

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL

Backend: NestJS, Node.js, Express.js, Django, REST API design, domain-driven / modular architecture

Frontend: Next.js, React, Tailwind CSS, Framer Motion, Zustand, TanStack Query, React Hook Form

Data: PostgreSQL, Prisma ORM, MongoDB, Redis, Firebase Firestore, GraphQL

Auth & Security: JWT, OAuth 2.0, Google OAuth, Firebase Auth, role-based access control (RBAC)

Testing & Quality: Jest, Vitest, integration testing, Zod schema validation, code review

Integrations: Stripe, bKash, Nagad, Cloudinary, OCR pipelines, LLM and MCP integrations

DevOps & Tools: Git, GitHub, Docker, CI/CD, VPS deployment, Vercel, Render, Postman, Vite

Practices: Agile/Scrum, API documentation, accessibility (WAI-ARIA, axe-core), performance optimisation

PROFESSIONAL EXPERIENCE

Full Stack Engineer | RemoteIntegrity — Clearwater, FL, USA (Remote)

Jun 2026 – Present

- Build backend services for a large-scale CRM and e-commerce platform unifying customer management, order processing, inventory, affiliate management and analytics — NestJS, TypeScript and PostgreSQL under a modular, domain-driven design.
- Ship RESTful APIs across authentication, customer records, product catalogues, order workflows, payment processing, inventory and admin operations.
- Design PostgreSQL schemas and Prisma migrations for interdependent business workflows — optimising queries and holding data integrity across transaction boundaries.
- Develop Next.js / React / TypeScript interfaces for both customer and admin surfaces, treating SEO, accessibility and maintainability as delivery requirements rather than a final pass.
- Contribute to AI-assisted features — OCR document processing, automation workflows and LLM integrations that reduce manual data-entry effort.

Full Stack Engineer | Terabyte AI — Rajshahi, Bangladesh (Hybrid)

Dec 2025 – May 2026

- Built full-stack applications on the MERN stack, taking features from design through to production deployment.
- Developed RESTful APIs, authentication and authorisation flows, tuning database operations for performance and reliability under production load.
- Worked across PostgreSQL and MongoDB in a mixed-persistence environment — schema design, complex queries and data management workflows.
- Built backend services and web applications in Python/Django with an emphasis on maintainable architecture and efficient API design.
- Deployed and maintained applications on VPS infrastructure; contributed to AI product features spanning OCR, document scanning, automation and LLM capabilities.

Frontend Developer (Contract) | Zyplo — Bangladesh (Remote)

Feb 2024 – Nov 2025

- Built the frontend of a team workspace and resource-management platform, covering workspace, resource and structured-documentation flows on React and Next.js.
- Delivered responsive dashboard interfaces and a reusable component system supporting role-based workspace creation and management.
- Implemented analytics views with Recharts and Framer Motion interactions across workspace activity, resource usage and team engagement metrics.

Freelance Full Stack Developer | Self-employed — Bangladesh (Remote)

Feb 2025 – Dec 2025

- Delivered 8 full-stack products end to end — authentication, CRUD flows, third-party API integrations and production deployment on Vercel and Render — managing client requirements independently.
- Shipped landing pages, dashboards and interactive product experiences with responsive layouts and clean, maintainable component structure.

OPEN SOURCE — MERGED UPSTREAM CONTRIBUTIONS

Five pull requests reviewed and merged by maintainers across three production projects — ~93k combined GitHub stars, 1,250 lines shipped. Full write-ups: ebrahim.dev/open-source

Twenty ★55.8k | The open-source alternative to Salesforce

PR #24582 · merged Aug 2026

- **fix(mcp): echo the client's progressToken instead of fabricating one.** The Model Context Protocol endpoint invented a progress token for every tool call, so notifications referenced tokens no client could match — one reporter logged 157 protocol errors in a single session before the transport was marked failed. Echoed the client's own token and sent nothing when absent, with Zod extraction treating malformed tokens as absent rather than echoing them. Shipped with integration tests over the real HTTP path. (+95 / -11, 5 files)

Tech: TypeScript, NestJS, MCP, Zod, SSE, Jest

Medusa ★36.1k | Commerce platform for agents and developers

PR #16571 · merged Aug 2026

- **fix(auth): await the OAuth state cache write.** The auth identity provider wrote OAuth state fire-and-forget while its own contract documented that it resolved once stored — all four providers could redirect before the write landed, and an unhandled rejection turned a transient cache error into a process crash instead of a failed sign-in. Awaited the write to match the contract its callers were already built against. (+6 / -1, 2 files)

Tech: TypeScript, Node.js, OAuth, caching

Saleor Dashboard ★1k | GraphQL dashboard for the Saleor platform

PRs #6873, #6858, #6860 · Aug 2026

- **Stopped six list views crashing on a selection that outlived its rows.** Fixed the cause in the data grid rather than the reported symptom, and moved index-to-id resolution into a shared helper — settling three divergent behaviours across nine lists, two of which had been leaking undefined into bulk actions. (+579 / -109, 39 files)
- **Rebuild the Ctrl+K command palette's ARIA pattern,** clearing three critical axe-core violations with no visual change: a real combobox controlling a labelled listbox, with aria-activedescendant always resolving to an option the listbox owns. (+390 / -40, 18 files)
- **Restored decimal precision in discount rule rewards,** where parseInt silently truncated cents and a mismatched validation guard rejected every sub-unit value with the wrong error. (+180 / -2, 5 files)

Tech: TypeScript, React, GraphQL, Glide Data Grid, WAI-ARIA, axe-core, Vitest

SELECTED PROJECTS

VELANO Fashion | Premium e-commerce platform | velanobd.com

- Full-stack storefront and admin dashboard for a Bangladesh fashion brand — separate Next.js frontend and Express/TypeScript backend with JWT auth, Google OAuth and role-based admin access.
- Integrated localised checkout for the Bangladeshi market — bKash, Nagad and cash-on-delivery — with order tracking and payment verification.
- Built a product model supporting sizes, colours, media galleries, reviews and related products, plus a membership and rewards system with spend-based qualification and asynchronous email notifications.

Tech: Next.js, React, TypeScript, Tailwind CSS, Express.js, MongoDB, JWT, Zustand, Cloudinary, Google OAuth

AssetVerse | HR & asset management system | eb-assetverse.vercel.app | [source](#)

- HR platform managing employees, assets and requests across three roles (Admin, HR Manager, Employee), with JWT-backed APIs and role-scoped route protection.
- Integrated a Stripe subscription system with package-based plans, checkout sessions and payment verification; TanStack Query for server state and faster dashboard loads.

Tech: React, Tailwind CSS, Firebase, Express.js, MongoDB, JWT, Stripe, TanStack Query, Recharts

Further builds — team workspace, community events, restaurant, civic issue-reporting and study-abroad products — at ebrahim.dev/projects

EDUCATION

BSc in Computer Science | University of Rajshahi, Bangladesh

2020 – 2025