Muhammed Althaf K A

Full Stack Engineer

althafkadev@gmail.com | althafka.pages.dev | LinkedIn | GitHub

SUMMARY

Full Stack Engineer with around **3 years of freelance and project-based development alongside studies**, delivering web, backend and mobile applications with TypeScript, React, Next.js and Node.js. Experienced in API design, authentication, databases and serverless systems, with **end-to-end feature ownership from requirements through deployment**.

EXPERIENCE

Freelance Full Stack Developer *2023 – Present*

Project-based Software Development

- **Delivered full-stack features from client requirements through deployment** by owning frontend, backend, database design, authentication, integrations and debugging across React, Next.js, Node.js and TypeScript projects.
- **Turned client requirements into scoped MVP features** by breaking workflows into implementable modules, resolving cross-stack issues and iterating directly on feedback.
- **Standardized multi-app delivery workflows** with GitHub Actions, CI/CD, Cloudflare, Docker and Turborepo.

PROJECTS

QuickLogo GitHub | Live

AI Branding Platform | React, TypeScript, Hono, Cloudflare Workers, D1, Turborepo

- **Architected a 5-application TypeScript monorepo** spanning Web, Admin, Marketing, API and background workers, keeping product surfaces modular and independently maintainable.
- **Built end-to-end AI logo generation and editing workflows** with React, Fabric.js, TanStack Query, Zustand and Replicate, combining generation, editing and revision flows in one product experience.
- **Moved long-running generation work off the request path** by designing an edge backend with Cloudflare Workers, D1, Drizzle, Zod and asynchronous jobs supporting workspaces, revision history and credit workflows.

Commerce Operations Recovery MCP GitHub

Backend Reliability Demo | TypeScript, MCP, PostgreSQL, Hono, Drizzle, Vitest

- **Built an MCP recovery service for failed commerce state transitions**, restoring orders when payment succeeds but downstream order updates do not complete correctly.
- **Made recovery safe to rerun** using PostgreSQL transactions, idempotency checks, approval gates, audit logs and automated Vitest coverage on a serverless backend.

Anonymous Feedback System GitHub | Live

PHP MVC Application | MySQL, OOP, Service-Repository Pattern, AJAX

- **Built a zero-dependency PHP application for restricted hosting environments** using OOP, MVC, custom routing, middleware, MySQL and reusable service-repository layers.
- **Hardened anonymous voting and administration flows** with duplicate-vote prevention, prepared statements, session protection and transaction-based data handling.

Hardware Shop Commerce Live

Monorepo E-Commerce Platform | Next.js, Hono, Cloudflare Workers, D1, Turborepo

- **Structured Storefront, Admin and Backend API as 3 coordinated applications** in a shared monorepo with reusable types and infrastructure.
- **Kept storefront content fast and refreshable without full rebuilds** using Next.js ISR, edge caching and tag-based revalidation, backed by a Hono API with inventory, authentication and RBAC.

My Blog App GitHub | Live

Full-Stack MERN Blogging Platform | React, Express.js, MongoDB, JWT, Google OAuth

- **Built a full-stack publishing platform with secure authentication and engagement workflows**, combining rich-text publishing, image uploads, topic discovery, user profiles, JWT/Google OAuth, reading lists and MongoDB-backed content flows.

Payapp Screenshots

Mobile Payment & Finance App | React Native, Expo, Firebase, Firestore, Zustand

- **Built mobile payment and finance workflows** for peer-to-peer transfers, QR payments, expense tracking, role-based onboarding and monthly reporting, with Firebase Authentication, Firestore persistence, AsyncStorage and Zustand supporting authenticated and offline use.

OPEN SOURCE CONTRIBUTIONS

Dualmark | *GitHub Action, TypeScript, CI/CD* PR | Action

- **Built the official Dualmark Verify GitHub Action** for automated conformance checks, regression detection and artifact handling, then strengthened workflow reliability and dependency security through maintainer review.

Context MCP | *MCP, Vector Search, OpenAI Embeddings* PR

- **Fixed OpenAI embedding-dimension handling** to keep generated vectors compatible with configured vector-index dimensions.

EDUCATION

- **Mahatma Gandhi University** | Bachelor of Computer Applications **2023 – 2026**

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, SQL, PHP | **Frontend:** React, Next.js, GSAP, Framer Motion | **Mobile:** React Native, Expo
- **Backend:** Node.js, Express.js, Hono, REST APIs, Authentication, JWT, OAuth, RBAC | **Databases:** PostgreSQL, MongoDB, MySQL, Cloudflare D1, Firebase
- **Tools & Platforms:** Git, GitHub, GitHub Actions, Docker, Cloudflare Workers, CI/CD, Turborepo
- **Engineering:** API Design, OOP, MVC, DDD, Code Review, Debugging, Monorepos, Serverless Applications