# MUHAMMED AFSAL

**Frontend Developer | React & TypeScript | Full-Stack Web Developer**

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## PROFESSIONAL SUMMARY

**Frontend Developer with 1.5+ years of professional experience** shipping React and TypeScript business applications across ERP, ticketing, hospitality, and institutional workflows. Strong in REST API integration, Redux Toolkit, production debugging, responsive UI/UX, client requirements, demos, and UAT. Full-stack project experience with Node.js, Express.js, PostgreSQL, Docker, Socket.IO, multi-tenant authorization, secure sessions, and data migration.

## PROFESSIONAL EXPERIENCE

**Bizforz - Frontend Developer** | Kottakkal, Malappuram **Mar 2025 - Present**

- Build and maintain React, TypeScript, Redux Toolkit, and Tailwind CSS modules for Connect ERP used across 10+ institutions, including colleges, hospitals, and businesses.
- Deliver workflows across HR/payroll, attendance and geo-face punching, tasks, leave, bus passes, news/circulars, reusable UI components, and REST API integrations.
- Debug production issues, improve responsive UI/UX, and collaborate with backend and product teams across multiple repositories to ship stable frontend features.
- Work directly with clients and institutional stakeholders on requirements, product demos, testing/UAT, and follow-ups; translate operational pain points into practical software changes.
- Contribute across Bizforz CRM, Flow ERP, ticketing products, hospitality/property-management software, and Le'Valor-related web/PMS delivery work.

## SELECTED FULL-STACK PROJECT

**EkaVio - Multi-Tenant SMB Operations Platform** **Live** | **GitHub** | 2026

- Architecting a React/Vite PWA with an Express/TypeScript backend and PostgreSQL as the sole normal runtime data authority; MongoDB is retained only for explicit legacy migration, reconciliation, recovery, and compatibility tooling.
- Implemented revocable server-side sessions, HttpOnly refresh cookies, organization/branch-aware multi-tenancy, RBAC and commercial entitlements, tenant-aware Socket.IO, and secure account recovery/invitation flows.
- Added transactional migrations/cutover tooling, Docker Compose health/readiness checks, and repeatable lint, typecheck, test, build, migration, and browser acceptance gates for safer releases.

## TECHNICAL SKILLS

**Frontend:** React.js, Next.js, TypeScript, JavaScript, Redux Toolkit, Tailwind CSS, HTML, CSS, Vite

**Backend:** Node.js, Express.js, REST APIs, JWT/session auth, Socket.IO

**Data & Platform:** PostgreSQL, MongoDB, Docker / Docker Compose, Vercel, Render, Firebase, Cloudinary

**Workflow:** Git, GitHub, Postman, API integration, multi-tenant SaaS, RBAC/authorization, UAT, Agile

## ADDITIONAL PROJECTS

- **Codisify Devlearn -** MERN e-learning platform with Socket.IO discussions and JWT authentication **Live** | **GitHub**
- **Chateph Messenger -** realtime ephemeral messaging with React, Node.js, MongoDB, and Socket.IO **Live** | **GitHub**
- **Afssian E-Commerce -** Node.js/EJS/MongoDB e-commerce platform with Razorpay and order workflows **Live** | **GitHub**

## EDUCATION

**Full Stack Web Development (MERN) - Brototype, Calicut** **2023 - 2024**

**Diploma in Computer Engineering - Government Polytechnic College Mananthavady, Wayanad** **2019 - 2022**