



MUHAMMAD AFZAL

Full Stack Developer

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Results-driven Full Stack Developer with 5+ years of experience architecting and delivering scalable web and mobile solutions. Expert in MERN stack,PERN Stack,Nest.js, Next.js, and enterprise application development with proven success in building ERP systems, e-commerce platforms, and real-time applications. Committed to clean code architecture, performance optimization, and delivering exceptional user experiences.

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer Sep 2025 - Present

Depllc (Digi Era Pro) · Lahore

- Lead development of enterprise ERP/CRM system with 13+ integrated modules
- Implemented real-time communication(whatsapp and slack inspired) using Supabase WebSockets
- Managed 9-stage workflow from lead generation to project completion
- Architected multi-tier authentication with 2FA and role-based access control

Full Stack Developer Feb 2024 - Sep 2025

Devgiant · Lahore

- Built scalable e-commerce platforms with Squareup & Shippo integration
- Designed inventory systems with real-time stock tracking and analytics
- Implemented Real estate websites with advanced filtering
- Architected secure RESTful APIs with Node.js & Express.js
- Developed cross-platform mobile apps using React Native & Expo

Frontend Developer Jan 2023 - Jan 2024

Heapware Technologies · Lahore

- Developed responsive web applications using React.js and modern CSS
- Created real estate websites with advanced filtering capabilities
- Optimized frontend performance and SEO for better user experience

MERN Stack Internship Jun 2021 - Dec 2022

Corelogix · Gulberg, Lahore

- Built frontend projects using JavaScript, Bootstrap, and Git version control
- Collaborated with senior developers to learn best practices in web development
- Build many Template Based Projects like "Portfolio Website", "Business Website", and "E-Commerce Website"

CORE COMPETENCIES

Full Stack Development

MERN Stack Development

PERN Stack Development

System Architecture

API Design

Database Design

Real-time Applications

Mobile Development

Payment Integration

EDUCATION

BS Software Engineering
Virtual University of Pakistan
2021 - 2025

FSc Pre-Engineering
Faizaia Inter College
2019 - 2021

CERTIFICATIONS

MERN Stack Development
House of Professional · Mar 2021

MERN Stack Development
Ideoversity · Apr 2022

Backend Development
UET Lahore · Sep 2022

LANGUAGES

| | |
|---------|--------------|
| English | Professional |
| Urdu | Native |
| Punjabi | Native |

TOOLS

Git GitHub GitLab

Docker CI/CD Pipeline

VS Code Postman

Figma Vercel

Github Copilot Cursor

<> TECHNICAL SKILLS

FRONTEND DEVELOPMENT

Languages & Core

HTML5, CSS3, JavaScript (ES6+), TypeScript
Expert • 5 years experience

Frameworks & Libraries

React.js, Next.js, Redux Toolkit, Context API
Expert • 3 years experience

Styling Frameworks

Tailwind CSS, Bootstrap, ShadCN UI, Radix UI, Styled Components
Expert • 5 years experience

Animation & Motion

Framer Motion, GSAP, Lenis, CSS Animations
Advanced • 3 years experience

State Management

Redux, Redux Toolkit, Context API
Advanced • 3 years experience

DATABASE & STORAGE

NoSQL Databases

MongoDB, MongoDB Atlas, Aggregation Pipelines
Advanced • 3 years experience

SQL Databases

MySQL, PostgreSQL, Complex Queries, Optimization
Advanced • 4 years experience

ORM & BaaS

Prisma ORM, Supabase, Mongoose ODM
Advanced • 3 years experience

THIRD-PARTY INTEGRATIONS

Payment Gateways

Squareup, Stripe, Webhooks,
Advanced • 4 years experience

Cloud Services

AWS S3, CDN, Google APIs, SendGrid, AWS SES
Advanced • 3 years experience

Shipping & Email

Shippo, SendGrid, AWS SES, Email Templates, Automation
Advanced • 3 years experience

BACKEND DEVELOPMENT

Runtime & Frameworks

Node.js, Express.js, Nest.js, Core PHP, REST APIs
Advanced • 4 years experience

Authentication & Security

JWT, NextAuth.js, OAuth2, SHA-1, bcrypt, 2FA
Advanced • 3 years experience

Real-time Communication

Socket.io, WebSockets, Supabase Realtime
Advanced • 3 years experience

API Development

RESTful APIs, Middleware, Validation, Error Handling
Advanced • 4 years experience

MOBILE DEVELOPMENT

Cross-Platform Framework

React Native, Expo, EAS Build, OTA Updates
Advanced • 2 years experience

Navigation & Storage

React Navigation, Redux
Advanced • 2 years experience

Native Features

Camera, Push Notifications, Deep Linking
Advanced • 2 years experience

DEVOPS & TOOLS

Version Control

Git, GitHub, GitLab, Branching Strategies
Expert • 5 years experience

Deployment & CI/CD

Docker, Vercel, Digital Ocean, GitHub Actions
Advanced • 3 years experience

Design & Documentation

Figma, Postman, Technical Writing, Prompt Engineering
Advanced • 5 years experience

KEY PROJECTS



Depllc ERP/CRM System (Not Public)

Sep 2025 - Jan 2026

Lead Full-Stack Developer & System Architect

Enterprise-grade ERP/CRM with 13+ modules including lead management, project tracking, real-time communication, and role-based permissions for complex business workflows.

Next.js TypeScript MongoDB Supabase Redux Toolkit AWS S3 Socket.io

- > Architected complete system with 13+ interconnected modules
- > Implemented multi-tier authentication with 2FA for admin and employees
- > Built dynamic role management system with hierarchical permissions
- > Developed 9-stage workflow process from lead to project completion
- > Integrated Supabase for real-time communication and notifications
- > Implemented secure file storage with AWS S3 and document version control
- > Designed client portal for project visibility and communication



E-Commerce Platform (MERN Stack) (<https://pg-shop.cognitivebeam.com/>)

Jul - Aug 2025

Full-Stack Developer

Full-featured e-commerce solution with product catalog, shopping cart, secure checkout, and admin dashboard for inventory management.

React Node.js Express.js MongoDB Squareup Shippo Redux

- > Developed complete user authentication system with JWT
- > Built responsive product listing with search and filtering
- > Implemented shopping cart with session persistence
- > Integrated Squareup payment gateway for secure transactions
- > Created admin dashboard for product and order management
- > Built order history and tracking system



Inventory Management System (Not Public)

Mar - Jul 2025

Full-Stack Developer

Comprehensive inventory tracking with supplier management, automated alerts, and role-based access control.

MERN MySQL Prisma ORM Bootstrap Socket.io JWT

- > Designed and implemented complete database schema
- > Built inventory tracking system with real-time updates
- > Developed automated low-stock alert system
- > Implemented comprehensive reporting with export functionality
- > Built role-based access control for different user levels
- > Created audit logging for inventory transactions



Point of Sale (POS) System (Not Public)

2024

Full-Stack Developer

Professional POS for retail with fast checkout, barcode support, invoice generation, and sales analytics.

Core PHP MySQL JavaScript Bootstrap TCPDF

- > Developed fast and responsive sales processing interface
- > Implemented product management with product recipes
- > Built automated invoice generation with PDF export
- > Implemented sales analytics and reporting dashboard

ADDITIONAL PROJECTS



E-Commerce Mobile App (Not Public)

Jul - Sep 2024

Mobile Developer

Cross-platform shopping app with product catalog, cart, and secure payment processing.

React Native Expo Redux

- > Developed cross-platform app for iOS and Android
- > Implemented smooth navigation with React Navigation
- > Built product catalog with infinite scroll
- > Created shopping cart with persistent storage
- > Integrated secure payment processing
- > Implemented push notifications for order updates
- > Optimized performance for smooth user experience
- > Built user profile and order history features
- > Developed search and filtering functionality
- > Created wishlist and favorites feature



Inventory Mobile App (Not Public)

May - Aug 2025

Mobile Developer

Mobile inventory management with barcode scanning and offline-first architecture.

React Native Expo Redux

- > Developed cross-platform mobile app with React Native
- > Implemented barcode scanning with Expo Camera
- > Built offline-first architecture with SQLite
- > Created real-time stock tracking system
- > Developed supplier management module
- > Implemented automated low-stock alerts
- > Built comprehensive reporting with export functionality
- > Created data synchronization mechanism
- > Implemented user authentication and role-based access control
- > Built user profile and order history features



Real Estate Website (Not Public)

Sep - Dec 2024

Frontend Developer

Modern property showcase with advanced filtering, image galleries, Google Maps integration, and SEO optimization.

HTML5 CSS3 JavaScript Bootstrap Figma

- > Designed and developed fully responsive layout
- > Implemented advanced property filtering system
- > Created interactive image galleries with lightbox
- > Integrated Google Maps for property locations
- > Built contact forms with validation
- > Optimized images and performance for fast loading
- > Implemented SEO best practices
- > Collaborated with designers using Figma

MORE PROJECTS

CE Prop Real Estate Website (<https://www.ceprop.co.za>) Frontend Developer & Backend Integration

2024

Comprehensive real estate platform with property listings, agent management, and enquiry forms

Bootstrap **EJS** **JavaScript** **CSS3** **HTML5** **Font Awesome** **Node.js** **Express.js**

- > Developed complete frontend using Bootstrap from scratch
- > Implemented responsive navigation with dropdown menus
- > Created dynamic property grid pages with filtering
- > Built agent listing and profile pages
- > Integrated enquiry forms for property sales/rentals
- > Ensured cross-browser compatibility and mobile responsiveness

Pentz Properties Real Estate Website (<https://www.pentzproperties.com/>) Frontend Developer & Backend Integration

2023

Professional real estate platform with property search, sold listings, and comprehensive tools

Bootstrap **EJS** **JavaScript** **CSS3** **HTML5** **Font Awesome** **Node.js** **Express.js**

- > Developed complete frontend using Bootstrap from scratch
- > Implemented property search with sale and rental categories
- > Created sold properties tracking page
- > Built tools section with calculators and property listing forms
- > Developed news section with email newsletter integration

To Be Real Estate Website (<https://www.toberealestate.com/>) Frontend Developer & Backend Integration

2023

Advanced real estate platform with comprehensive property categories and interactive features

Bootstrap **EJS** **JavaScript** **CSS3** **HTML5** **Font Awesome** **Node.js** **Express.js**

- > Developed complete frontend using Bootstrap from scratch
- > Implemented complex multi-level navigation with sub-menus
- > Created property category pages (Buy, Sell, Rent, Commercial, Off-Plan)
- > Built interactive sub-menu with images and contact links
- > Developed team section with agent grid and studio information
- > Created responsive design with custom styling and Font Awesome icons

Buildwise Estimators Website (<https://buildwise-estimators.com/>) Frontend Developer

2023

Professional construction estimating website with service listings, project portfolios, and contact forms

HTML5 **CSS3** **JavaScript** **GSAP** **Font Awesome** **Tawk.to**

- > Developed complete frontend using HTML5 and CSS3 from scratch
- > Integrating Tawk.to live chat functionality
- > Implemented responsive navigation with mobile hamburger menu
- > Developed about, testimonials, and footer sections
- > Implemented GSAP animations for smooth user experience
- > Ensured cross-browser compatibility and mobile responsiveness