

# MUHAMMAD TAHIR

FULL STACK DEVELOPER

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🌐 Portfolio 🌐 GitHub 💬 LinkedIn

## PROFILE SUMMARY

Results-oriented Full Stack Developer with **4+ years of experience** specializing in building scalable web applications using **NestJS, React, Next.js, TypeScript, Python, and Django**. Proven track record in designing secure AI-powered APIs, implementing **AI Integrations (OpenAI, Claude, LangChain)**, and optimizing performance. Expert in **PostgreSQL, Prisma, and Supabase** and cloud infrastructure (AWS). Skilled in leveraging **AI Tools (Cursor, Antigravity, Qoder)** to accelerate development cycles.

## PROFESSIONAL EXPERIENCE

### Software Engineer

2024 - Present

#### Sparkosol

- Architected scalable web applications using **NestJS** and **React**, focusing on high-traffic resilience.
- Leveraged **AWS (EC2/S3)** for scalable resource management and cloud storage solutions.
- Implemented complex **RBAC** systems and secure authentication workflows.
- Optimized database performance via **PostgreSQL** query tuning, reducing response times by 30%.
- Applied **Clean Architecture** principles to maintain a decoupled and testable codebase.

### MERN Stack Developer

2022 – 2024

#### Hashtagweb

- Lead backend development for 4+ web applications, ensuring robust API integration and security.
- Integrated **Supabase** and **PostgreSQL** for real-time data synchronization.
- Achieved average **Lighthouse scores of 85+** through advanced frontend optimization.
- Contributed to a 40% increase in client revenue by delivering high-performance UIs using React & Tailwind.
- Streamlined development workflows by mentoring junior developers on MERN best practices.

## SELECTED PROJECTS

### Real Time Chat App (Socket.io)

One-to-one chat application built with **MongoDB, Express, React, Node.js, and Socket.io** for instant data synchronization and messaging.

### AI Image Enhancer System

Deep learning powered tool to enhance image resolution and quality in seconds. Built with a focus on seamless user experience.

### MobiCommerce - Online Shop

Features premium smartphone discovery and accessories with high-performance UI components and fast delivery workflows.

### Full-Stack E-Commerce Platform

Comprehensive platform built with **React.js, MongoDB, and Stripe** integration for secure, seamless online shopping experiences.

### Escape Game Admin Dashboard

Premium admin dashboard featuring Glassmorphism using **Next.js 15 and MongoDB**. Implemented secure session management.

### Focus Flow - Discipline Tracker

Productivity platform with real-time analytics. Engineered backend using **NestJS, PostgreSQL (Prisma)**, and **n8n**.

## TECHNICAL SKILLS

### Frontend

React.js Next.js TypeScript Tailwind CSS  
Framer Motion Redux

### Backend

Node.js NestJS Python Django GraphQL  
Passport.js n8n

### Databases

PostgreSQL Supabase MongoDB Prisma Redis

### DevOps & Cloud

AWS (EC2/S3) Docker CI/CD Vercel Git

### AI & Productivity

OpenAI Claude LangChain Cursor Antigravity  
Qoder Copilot

### Architecture

Clean Architecture Microservices AI Integration

## EDUCATION

### BS Computer Science

BZU Multan

2021 – 2025

### Intermediate (ICS)

DG Khan Board

2019 – 2021

## LANGUAGES

English (Professional)

Urdu (Native)