

Faisal Abbas

Agentic AI Engineer / Full-Stack Developer

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PROFESSIONAL SUMMARY

SOFTWARE ENGINEER | AGENTIC AI & FULL STACK SPECIALIST

Results-driven Software Engineer with 2+ years of experience in Full-Stack Development and AI-powered automation. Specialized in designing scalable system architectures, blockchain-integrated platforms, and agentic AI workflows that enable intelligent, autonomous operations. Proven track record of building production-ready products across fintech, Web3, and automation domains with strong performance, reliability, and user-focused design.

SKILLS

- **Frontend Development:** HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js (SSR/SSG), Redux, TanStack Query (React Query), Tailwind CSS, ShadCN UI, Material UI (MUI), SASS, Responsive UI Design, Component-Based Architecture, Framer Motion
- **Backend Development:** Node.js, Express.js, NestJS, Strapi (Headless CMS), JWT, OAuth, REST API & GraphQL Design and Integration
- **Databases & ORMs:** MongoDB, PostgreSQL, Supabase, Prisma, Mongoose, TypeORM
- **DevOps & Tools:** Git, GitHub, Docker, AWS S3 (File & Image Storage), Figma (UI/UX Design & Prototyping)
- **Messaging & Queues:** BullMQ, RabbitMQ, Kafka
- **Payments & Integrations:** Stripe Payment Integration, PayPal Integration, Twilio API (SMS, WhatsApp), SendGrid API (Email), Gmail API

PROFESSIONAL EXPERIENCE

WEIBLOCKS | Lahore, Pakistan

Full-Stack Developer & AI Automation Engineer

APR 2024 - Present

- Develop and maintain **scalable web & mobile applications APIs** using the Mern Stack (MongoDB, Express.js, NestJS, NodeJS) delivering high-performance and user-centric solutions.
- Integrated blockchain Api and multil-currency Payment system **USDC, USDT, DAI** enabling seamless digital asset transactions.
- Developed **REST APIs, microservices, and dashboards** using Node.js, Express, NestJS, TypeORM, and PostgreSQL/MongoDB.
- Improved system performance and reporting speed by up to 50% through **optimized queries and API response tuning**.
- Built Advance Ai Agents using **Open Ai Agent SDK and Crew AI & LangChain**. Automating intelligent workflows and decision-making processes.
- Delivered responsive **frontend interfaces with React.js**, Next.js, Tailwind CSS, and Material UI for smooth user experiences.
- Architected and Deployed Containerized applications using **Docker & Kubernetes**, for scalable and reliable production environments.

- Collaborated with cross-functional teams to **define, design, and ship new features**, ensuring timely delivery and high-quality outcomes.
- Identified and resolved **UI performance bottlenecks and bugs**, improving frontend responsiveness and stability.
- Built and maintained **RESTful APIs with Strapi**, enabling seamless integration with Next.js applications and **GraphQL queries**.
- Developed backend API to process images via **FAST API integrated with AI models**, generating retro-style outputs and storing results in the database.
- **Implemented complex UI** animations with Framer Motion, enhancing user engagement.
- Conducted web performance audits with Unlighthouse CLI, **improving Lighthouse scores** and overall user experience.
- Coordinated with **cross-functional teams to plan, integrate**, and deliver software solutions across the stack.

Tech Stack: Next.js (SSR), React.js, Node.js, REST API, FAST API, Formik, Framer Motion, Unlighthouse CLI.

PROJECTS

Multi-chain Crypto Escrow Platform – Escrowly

- **Built a secure, scalable crypto escrow platform** supporting USDT and USDC across **Ethereum, Solana, Tron, and EVM chains** with multi-signature wallets and dispute resolution
- **Designed and implemented full-stack architecture** using **NestJS microservices** for transaction processing, user management, and admin operations, enabling millions of transactions with high performance
- **Developed intelligent escrow workflows** ensuring funds are released only when conditions are met, protecting users from scams and failed deliveries
- **Integrated multi-chain wallets and stablecoins**, enabling near-instant settlements with minimal fees, while maintaining regulatory compliance and KYC verification
- **Delivered end-to-end solution** including mobile apps, admin dashboards, and dispute management tools, turning trustless blockchain transactions into reliable peer-to-peer payments

Give Gaza – Humanitarian Donation Platform

- **Developed a modern, responsive donation platform** using **React, MERN Stack, Tailwind CSS, and Express**, enabling seamless contributions to humanitarian relief efforts.
- Integrated blockchain technology to provide immutable, **Transparent, Donation, Tracking** ensuring donor trust and accountability
- **Built secure, multi-option payment processing** and a real-time donation counter, enhancing usability and engagement
- Built secure, multi-option payment processing and a **Real-Time Donation Counter** enhancing usability and engagement
- **Overcame trust and transparency challenges** by combining blockchain verification with intuitive UI/UX, creating a credible and scalable platform

AI Floor Plan Generator – Enterprise Architectural Platform

- **Developed an AI-powered floor plan generation platform** using **Next.js, TypeScript, Node.js, PostgreSQL, Three.js, and Tailwind CSS**, transforming natural language descriptions into professional architectural designs
- **Integrated GPT-4o for intelligent space planning**, producing accurate 2D/3D floor plans, auto-generated elevations, sections, and schedules
- **Built a custom rendering engine with Three.js** to convert AI spatial data into precise architectural drawings while ensuring building code compliance

Flex Play Game – Premium Gaming Landing Page

- **Developed a pixel-perfect, responsive gaming landing page** using **Next.js, Tailwind CSS, Express, and MongoDB**, delivering a high-quality, immersive user experience
- **Implemented smooth animations, micro-interactions, and scroll-aware sticky navigation**, enhancing engagement and usability across devices.
- **Built functional dark/light mode toggle** with seamless transitions, maintaining design consistency and user preference support.

Gaming Platform – Next-Gen Game Discovery & Community

- **Developed a next-generation gaming platform** using **Next.js, Express.js, Tailwind CSS, and Blockchain**, delivering high-performance game discovery and community features
- **Optimized performance with lazy loading and skeleton states**, ensuring consistent experience even on slow connections
- **Created personalized user dashboards**, including activity tracking, achievements, and favorites system for immersive user experience
- **Built dynamic game catalog with filtering, search, and featured carousels**, enhancing user engagement and discoverability
- **Implemented dark/light theme toggle with seamless transitions**, improving accessibility and user preference support

EDUCATION

- **MINHAJ UNIVERSITY LAHORE** **Lahore**
BACHELOR IN SOFTWARE ENGINEERING **OCT 2022 – May 2026**

HOBBIES & INTEREST

- **Cross-Cultural Collaboration** – Engage in online communities and forums with professionals from different countries
- **Travel & Exploration** – Explore new cultures and experiences to broaden perspective and creativity.
- **Reading & Continuous Learning** – Passionate about books on technology, business, and personal growth.