Zeeshan Afzal

Mid-Level Software Engineer | Full Stack Developer

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SUMMARY

Mid-Level Software Engineer with 3+ year of Industry practical experience in building user-focused and salable web platforms. I know how to convert ideas into working applications using **System Design Architecture**, **modern frameworks**, **backend APIs**, and **cloud services**. Contributed to team-based projects and delivered features that improve performance, usability & engagement.

CORE SKILLS

Frontend — React.js, Next.js, JavaScript, TypeScript, Redux / Redux Toolkit, Tailwind CSS, Material UI, Shadcn UI

Backend — Node.js, NestJS, Express.js, Python, FastAPI, RESTful APIs, GraphQL, Microservices, WebSocket, Secure Authentication Flows, System Design

Databases — PostgreSQL, Non SQL/SQL (Schema Design, Query Optimization, Database Migrations) , Firebase, Supabase, Redis, Qdrant (Vector Database)

AI & Automation — LangChain, Retrieval-Augmented Generation (RAG), LLM Integration, AI Agents, n8n, Workflow Automation

DevOps / Tools — Git Flow, GitHub Actions, CI/CD Pipelines, Docker, Nginx, Ubuntu, Better Stack (Centralized Logging & Monitoring)

WORK EXPERIENCE

Mid-Level Full Stack Developer

TechParser LLC, Lahore

05/2025 – Present

- Collaborated with **engineering teams** to design, develop, and deliver scalable **SaaS platforms**, contributing across frontend, backend, and system architecture.
- Designed multi-tenant architectures using **modular-monolith** and **microservices patterns**, with secure APIs, **tenant isolation**, and reliable data management.
- Engineered event-driven backend systems using **AWS SNS**, **Pub/Sub**, **message queues**, **DLQs**, **background workers**, and **rate limiting** for reliable **asynchronous processing**.
- Scalable system solutions using **load balancing**, stateless application design, database **indexing**, **caching**, and horizontal scaling to improve reliability, availability, and overall system performance.
- Developed AI-powered solutions using **RAG**, vector search, and document ingestion, alongside third-party API, **payment**, and **webhook integrations**.
- Collaborated directly with **designers** and product owners to scope, estimate, and **ship product** on schedule.

Associate Full Stack Developer

Bitfoot — Remote, Malaysia

03/2023 – 05/2025

- Delivered full-stack features across multiple concurrent client projects using **React.js, Node.js, TypeScript, and PostgreSQL**.
- Managed client communication and translated business requirements into technical specifications and sprint tasks.
- Real-time chat and live update features using **Socket.IO**, supporting concurrent user sessions.
- Explored **Google Cloud Platform** services (Compute Engine, Kubernetes) for deployment and scaling of Node.js services.
- Fostered a collaborative team culture focused on code quality, peer review, and continuous improvement.

Freelance Web Developer | Upwork

UGDC — Lahore, Pakistan

09/2023 – Present

- Developed custom **CRM** and **CMS solutions** with role-based access, administrative dashboards, and streamlined business workflows.
- Collaborated directly with clients on requirements gathering, technical planning, deployment, and Shipped.

PROJECTS

Tradeline — Multi-Tenant Distribution ERP (SaaS)

In progress

- Architected a **modular-monolith**, on Next.js & PostgreSQL 18. Tenant isolation is enforced at two layers: Application permission checks & PostgreSQL Row-Level Security (RLS).
- Designed and implemented a **transactional stock engine** with an append-only, **monthly-partitioned ledger**, FEFO/FIFO lot and e**xpiry allocation**, deterministic lock ordering to **prevent deadlocks**, idempotent posting keys and nightly **ledger reconciliation**. It covers receipts, transfers, counts, reversals and month-end period close, with database-level enforcement.
- Built the **platform administration** and **billing plane**:
    - Versioned plans, gap-free invoicing and coupons;
    - Stripe Checkout card payments with signed, deduplicated webhooks, plus bank-transfer reconciliation;
    - Dunning and suspension, and MRR/NRR revenue analytics;
    - Tme-boxed, **audited support impersonatio**n with customer-owner approval and **dual-admin write grants**.
- Designed centralized API routing and traffic management across multiple microservices, enabling seamless service communication and scalable backend operations.

Evoriqa — Multi-Tenant AI SaaS Platform

Clickable Link

- Collaborated on scalable **multi-tenant SaaS architecture** using Next.js, TypeScript, PostgreSQL, and pgvector, with **tenant isolation** and background workers.
- Built **event-driven notification workflows** using **AWS SNS**, **Pub/Sub**, **message queues**, and **Dead-Letter Queues (DLQs)** for reliable cross-service communication.
- Developed **AI-powered RAG pipelines** with asynchronous document ingestion, vector search, and OpenAI integration for omnichannel customer support.
- Implemented **rate limiting**, **retry mechanisms**, **secure webhooks**, and **Stripe billing** integrations to support reliable and scalable SaaS operations.
- Implemented reverse proxy and r**equest routing architecture** across multiple **microservices**, **enabling efficient traffic distribution**, **seamless service integration**, and **scalability**.

SlimAI (Product)

Clickable Link

- Created a **SLIMAI CMS Admin Panel** and **Public Pages** using Next.js, TypeScript & Supabase, role-based access control and supporting a platform with **50K+ active users**.
- Built a clean interface with **Material UI** and **Redux** state management; integrated **React Slick** for product showcasing.
- Migrated push-notification infrastructure from Firebase Cloud Messaging to the **OneSignal REST API** and built **RevenueCat** subscription-webhook logging for accurate billing history.
- Contributed to core product features of SlimAI including **AI-powered calorie tracking**, **smart food scanning**, and r**eal-time nutrition insights**.

EDUCATION

Bachelor of Science in Software Engineering

University of Central Punjab — Lahore, Pakistan

03/2022 – 04/2026