

EXPERIENCE

Associate Software Engineer – Tecaudex

January 2026 – April 2026

- Supported the development, optimization, and AWS deployment of production applications, improving performance, reliability, and maintainability.
- Collaborated with senior engineers on feature development, bug fixes, and production issue resolution.

Software Engineer Intern – Tecaudex

September 2025 – December 2025

- Developed and launched the company's official website and portfolio platform.
- Improved application performance by optimizing API endpoints and introducing CDN-based media delivery.
- Built a CMS-based content system that allowed the company to create and update pages without code changes.

Freelance Software Developer – Fiverr

November 2024 – Present

- Delivered website fixes, backend enhancements, Java applications, and game-development projects across multiple technology stacks.
- Diagnosed software defects, optimized application performance, and delivered client requirements within agreed deadlines.

EDUCATION

BS Software Engineering

2022–2026

FAST-NUCES, Lahore

FSc. Pre Engineering

2020–2022

Government College University Lahore (GCUL)

PROJECTS

Tecaudex Company Website & CMS – Full-Stack App

October 2025 – November 2025

- Built a CMS-driven company website and portfolio platform with dynamic routing, SEO-friendly metadata, and automated page generation.
- Implemented inquiry forms and call-to-action flows, optimizing performance through CDN-based media delivery and efficient API usage.

Tech Stack: Next.js, Ruby on Rails, PostgreSQL

VoiceForge AI – RAG-Powered Voice Agent Platform

July 2026

- Developed an AI voice-agent platform with real-time browser voice interaction, document-grounded RAG, hybrid retrieval, and source citations.
- Expanded the available retrieved evidence context from 800 to 6,000 characters (7.5×) and implemented document-aware filtering to improve source relevance and prevent cross-document answers.
- Containerized the Next.js frontend and FastAPI backend with Docker, managing environment configurations for consistent development and deployment.

Tech Stack: Python, FastAPI, Next.js, PostgreSQL, pgvector, Gemini API, Ollama, faster-whisper, Docker

TradeM8 – AI-Powered Crypto Trading Assistant

October 2025 – April 2026

- Developed an AI-driven trading analysis platform that combines YOLO-based chart pattern detection with financial news and social sentiment analysis to generate confidence-based trading signals.
- Implemented technical-indicator validation using EMA, RSI, and ADX, and integrated CryptoPanic, RSS, and CoinGecko data pipelines to validate and contextualize generated trading signals.

Tech Stack: Python, FastAPI, React.js, PostgreSQL, YOLOv8, Hugging Face Transformers.

DarziXpress – MERN-Stack Tailoring Service Platform

Spring 2025

- Developed a three-role online tailor booking system with real-time order tracking and secure email notifications.

Tech Stack: MongoDB, Express.js, React.js, Node.js

SKILLS

- Languages:** JavaScript, Python, Java, SQL
- Frontend:** React.js, Next.js, Tailwind CSS
- Backend:** Ruby on Rails, Node.js, Express.js, FastAPI, REST APIs, JWT Authentication, Socket.IO
- Databases:** PostgreSQL, MongoDB, MySQL, pgvector
- AI / ML:** Computer Vision (YOLOv8), NLP, RAG, LLM Applications, Agentic AI, Speech Recognition
- Cloud & DevOps:** AWS, Docker, CDN Integration
- Tools:** Git, GitHub, Postman, JMeter