

# Saad Ahmed

Software Engineer

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## WORK EXPERIENCE

### Software Engineer

Teczon LLC

Jan '25 — Present  
Lahore

- **Entrepreneurial Guide System + Business Mentor Agent**
  - Refactored legacy business-logic flows, eliminating inefficiencies and improving agent decision accuracy.
  - Redesigned the platform's UI/UX for clarity and conversion, resulting in more consistent and reliable user outcomes.
  - Built agentic memory modules and roadmap tools to enable long-term contextual reasoning and improved mentoring with structured roadmap guide consistency.
- **Full-Stack AI Platform**
  - Rebuilt SaaS dashboard with multi-tenant auth, Stripe checkout, knowledge base management, and embeddable chatbot widget generator for one-click website deployment.
  - Developed content extraction microservice with async webhook processing for intelligent web scraping, document chunking, and vector embedding pipeline.
  - Architected RAG-based conversational AI service using LangGraph and pgvector for semantic document retrieval and context-aware business mentoring responses.
- **AI Integration System – n8n + Python Service + Plumb/Nomik**
  - Built a modular workflow using n8n and a separate Python service to handle tool execution, user isolation, and logic that Plumb couldn't support directly.
  - Implemented a lightweight RAG layer and output-checking pipeline using GPT-OSS and a reranker model to ensure stable, verifiable results.
- **LinkedIn AI Agents:**
  - developed Agent from scratch to create strategic human like post and format.
  - Uses existing high performing post, to create a new post.
  - Integrated Google Sheet to automate posting
- **AI Blog Agent**
  - Same like LinkedIn Agent, but added SEO tools, to get rankable keywords, and generate rankable content
- **Stock suggestion Tool - (Frontend, Chatbot)**
  - build dashboard frontend of the project, of given UI.
  - created a Chatbot and integrate it with custom action-based agent of dashboard.
- **Resume Agent - AI Powered Resume Builder:**
  - build resume generation process by giving profile summary and job description
  - build action oriented ai agent chatbot that helps user to suggest and take details and show in resume by just answer to the question in plain English.
  - included features like undo, redo, download, live editing.
  - build both frontend and backend of it.

### Full Stack Web Developer

Rutal, inc

Jul '24 — Dec '24  
Lahore, Pakistan

- **Kitty Mobile App Backend**
  - Built the backend architecture from scratch using Node.js, Prisma ORM, and PostgreSQL.
  - Implemented an efficient token-based authorization system for secure user authentication.
  - Developed secure APIs to integrate with ease with mobile application.
  - Documented APIs using Swagger for streamlined collaboration and maintenance.
- **Midhah.com**
  - Admin Panel**
    - Designed and developed the admin panel from scratch using React.js.
    - Integrated APIs to enhance control and management of website functionalities.
  - Backend**
    - Developed new APIs to support the admin panel and provide greater control over website operations.
    - Developed a "view record" API to track and analyze user views on specific lyrics.
  - Website**
    - Integrated APIs to collect and display view statistics for individual lyrics.
    - Designed and implemented sections to promote less-trending lyrics, encouraging user engagement.
- **Web Developer**

Punjab Information Technology Board - NEP - NIC

  - Developed website for startup and deployed it.

- Collaborated with development team to build Mobile Application as backend developer

## EDUCATION

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### Bachelors in Software Engineering, University of Gujrat (GPA: 3.09)

- Learned basic of programming in C++. Studied Oop and Data structures. Studied courses like Requirement Engineering, and Software Architecture. Learned basics of web. Built final year project and showcase in exhibition.

## SKILLS

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**Frontend Development** react.js, nextjs, javascript, TypeScript, Html, css, tailwind, material ui, antdesign

**Backend Development** node.js, express.js, mongoose, prisma, TypeScript, typeorm, nestjs, FastAPI, Python, Alembic

**AI Development** Openai, LangChain, AI Agents, RAG Chatbots, Openai SDK, Nomik (Embedding), PLLUMB, GPT OSS, vLLM

**Database Management** mongodb, mySql, PostgreSQL, Qdrant, Chroma

**API Documentation** Swagger, Openapi

**Version Control** git, Github

**Testing** vitest, happy-dom, playwright

**Api Testing** Postman

**How Know** Docker, Jira, AWS, Apache HTTP Server, Python, Go, heruko, runpod (AI model hosting)

## CERTIFICATIONS

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**Meta Advanced Reactjs**, Coursera

**Nextjs with typescript**, Code with Chai

**The Complete Node js Course**, codewithmosh.com

**Intro to Frontend Development**, Coursera

## PROJECTS

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### AI-Powered Job Board Platform

- Rebuilt and completed an unfinished WordPress job board platform to support four distinct business models with custom job posting and applicant search modules.
- Developed intelligent AI agents using the OpenAI Agent SDK: a job search agent for candidate matching, an applicant recommendation agent for employer needs, and an automated job description generator.
- Architected a scalable backend API with Express and PostgreSQL to support multi-tenant job board operations and secure data separation.
- Integrated advanced search and filtering capabilities to connect employers with qualified candidates more efficiently and improve match relevance.

### Midhah.com, Ratal, Inc [Link](#)

- Midhah is the leading and most authentic platform for Naat lyrics, in addition to Hamd, Manqbat, and Durood o Salam built frontend, backend of admin panel with react typescript.
- integrated apis of lyrics, poets pf create, get, delete, update.
- refactor some apis, by updating wrong scheme implemented.
- developed cruds for languages, genre using node, prisma, zod, MySQL, express.
- implemented language in frontend of midhah admin.

### LawyerKonnect Startup

- LawyersKonnect is mobile application based project which can bridge the gap between citizens and lawyers by enabling citizens to access suitable lawyers.
- The app has realtime chat.
- built website for lawyerkonnect.
- built backend for lawyerkonnect to use in the app.

### Kitty Mobile App Backend, Ratal, Inc [Link](#)

- Developed backend APIs with Swagger documentation to support mobile app integration, improving developer onboarding and integration speed.
- Designed the database schema using Prisma ORM and deployed on Supabase (PostgreSQL) for reliable data storage and simplified migrations.