MUHAMMAD JUNAID

Full-Stack Software Engineer, Backend and AI Systems

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iamjunaidjutt.vercel.app · Open to full-time roles, in Lahore or remote. · Urdu and Punjabi (mother tongues), English B2, German A1.

SUMMARY

Software engineer with experience building distributed backends and practical AI systems. Currently an Associate Software Engineer at Devsinc working on LawPractice.ai (serving 300+ US law firms), specializing in ASP.NET Core, LLMs, RAG, and high-volume document pipelines. Experienced in full-stack development with Next.js, Node.js, and TypeScript, with a background in engineering leadership from FAST-NUCES.

PROFESSIONAL EXPERIENCE

Devsinc — LawPractice.ai (serving 300+ US plaintiff law firms) *Dec 2025 – Present*
Associate Software Engineer (AI/ML) *Lahore, Pakistan*

- Built backend features for processing legal demands and case summaries using ASP.NET Core, LLMs, RAG, and MCP; cut document preparation time by 70% and accelerated demand letter turnaround by ~7x.
- Engineered document ingestion APIs, custom agent tools, and prompt pipelines across diverse file types, reducing legal documentation errors by ~90%.
- Maintained OCR and ingestion pipelines handling medical records exceeding 1,000 pages with Azure Document Intelligence, Azure AI Search, Azure SQL, and RabbitMQ workers.
- Contributed to YCG, a project to build an automated ISO compliance auditing pipeline with FastAPI and Claude to evaluate Quality Manuals clause-by-clause.

ASP.NET Core · C# · Azure · Azure OpenAI · RAG · MCP · Azure AI Search · RabbitMQ · Cosmos DB · FastAPI · Python

Devsinc *Oct 2025 – Dec 2025*
Software Engineer Intern *Lahore, Pakistan*

- Contributed to backend development, prompt tuning, and production issue resolution for LawPractice.ai, transitioning directly into the full-time role.

Backend · AI/ML · Client collaboration

Kryptomind LLC *Aug 2024 – Nov 2024*
Software Engineer Intern *Lahore, Pakistan*

- Developed responsive interfaces with GSAP animations, 3D Canvas models, and Lenis smooth scrolling; SSR and code splitting lifted one project's Lighthouse score from 55 to 90.
- Integrated Next.js, React, and TypeScript frontends with REST APIs and implemented wallet connectivity on an NFT marketplace.

Next.js · TypeScript · React · GSAP · Lenis · Firebase · Web3

SELECTED PROJECTS

Juno — AI Portfolio Assistant · Real-Time Agentic RAG [live] *AI & LLMs*

- Built a streaming chatbot in Next.js 14 using Server-Sent Events (SSE) and Gemini 3.1/3.5 with function calling.
- Engineered an in-memory Agentic RAG vector matrix over 13 case studies and 61 GitHub repos with live activity tracking.
- Configured an automated circuit-breaker fallback cascade and sliding-window rate limits via Upstash Redis.

Next.js 14 · TypeScript · Agentic RAG · Gemini 3.1 & 3.5 · In-Memory Vector Search · Upstash Redis

ResQ CRM · Emergency Disaster Response & Live Fleet Dispatch *Web & Full-Stack*

- Led a 3-developer frontend rebuild in Next.js from Figma prototypes, replacing an unstable legacy codebase plagued by session loss.
- Integrated Cloud Firestore real-time listeners (onSnapshot) to stream live fleet GPS coordinates onto a clustered map.
- Migrated emergency dispatch dashboards from client fetching to Next.js SSR, and replaced Redux navigation hacks with native routing.

Next.js · TypeScript · NextAuth.js · Cloud Firestore · Tailwind CSS

YCG — ISO Compliance Document Auditor · FastAPI & Claude *AI & LLMs*

- Built a document auditing tool with FastAPI, Streamlit, and the Anthropic Claude API to check Quality Manuals against ISO 13485 standards.
- Designed multi-stage prompts that extract clauses from uploaded documents and evaluate them against a structured ISO standard registry.
- Created an interactive Streamlit dashboard to browse audit sessions, compliance percentages, and clause-level gap reports.

FastAPI · Streamlit · Python · Claude API · JSON Schema

Mawaddah · Matchmaking Web Platform *Web & Full-Stack*

- Built a matchmaking platform with Next.js, TypeScript, and Supabase backend services for a freelance client.
- Implemented preference filtering across education, location, and lifestyle criteria with composite indexing.
- Created an admin dashboard with Row Level Security to review profiles, approve accounts, and manage member statuses.

Next.js · React · TypeScript · Supabase · PostgreSQL · Tailwind CSS

Gold Investment Estimations Assistant · Voice AI & LLM Advisory [live] *AI & LLMs*

- Built a voice-enabled gold valuation advisor with Gradio, Groq Whisper (whisper-large-v3), and Google Gemini.
- Implemented calculations for 24K, 22K, 18K, and 14K purities across grams, tolas, and troy ounces with making charge adjustments.
- Integrated Gemini via OpenAI-compatible endpoint to provide investment insights comparing physical bullion with sovereign bonds.

Python · Gradio · Google Gemini · Groq Whisper · OpenAI SDK

Fake News Detector · Bidirectional LSTM Classification *Machine Learning*

- Built an NLP classification pipeline in Python using TensorFlow and Keras to classify news articles.
- Preprocessed text using NLTK for stopword removal, lemmatization, and padded sequence tokenization.
- Implemented a Bidirectional LSTM architecture to capture context from both forward and backward directions.

Python · TensorFlow · BiLSTM · NLTK · Scikit-learn

Real-Time Chat App · Next.js 15 & Socket.IO *Web & Full-Stack*

- Built a real-time messaging platform with Next.js 15, React 19, Node.js, Express, and Socket.IO.
- Implemented WebSocket event gateways for live chat rooms, typing indicators, and active user presence.
- Secured endpoints with JWT authentication and structured MongoDB collections for user profiles and message history.

Next.js 15 · React 19 · Socket.IO · Express · Tailwind CSS

EDUCATION & LEADERSHIP

FAST National University of Computer and Emerging Sciences (FAST-NUCES) *2021 – 2025*
Bachelor of Science in Software Engineering *Lahore, Pakistan*

- **Leadership:** Deputy Head of Marketing at SOFTEC'23 — led a marketing team of ~40 students and closed 3 corporate sponsorships, raising over PKR 1,000,000 (25% above target).
- **Fellowship & Volunteering:** Aspire Leaders Program (Aspire Institute, founded by Harvard faculty) · Operations Volunteer at Future Fest'23.

TECHNICAL SKILLS

Languages	Python · TypeScript · JavaScript · C# · Java · C++ · SQL · Bash / Shell
Backend & Web	ASP.NET Core · Node.js · Express · FastAPI · Django · Socket.IO · Prisma ORM · Next.js · React · REST APIs · Swagger
AI & LLMs	LLMs · RAG · MCP · Agentic AI · OpenAI API · LangGraph · CrewAI · AutoGen · LangChain · Vector Search · OpenCV · TensorFlow
Cloud & DevOps	Microsoft Azure · AWS · Docker · Kubernetes · Terraform · CI/CD · GitHub Actions · RabbitMQ · Upstash Redis
Databases	PostgreSQL · MongoDB · MySQL · Firebase · Supabase · Azure SQL · Cosmos DB