Muhammad Umar Nawaz Janjua

Software Engineer

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Profiles

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Summary

Software engineer with 2+ years of experience building AI-powered solutions and full-stack applications. Proficient in Python, cloud-native development, and production deployment of LLM-driven systems. Skilled in leading teams, mentoring engineers, and delivering scalable products that merge AI innovation with modern web technologies. Adept at bridging AI research with real-world business needs, ensuring measurable impact and excellent user experience.

Experience

Fira AI (formerly Modern Intelligent Solutions)   **June 2024 - Present**
Tech Lead   Saudi Arabia / Remote
🔗 https://ffira.ai/

Leading AI/ML initiatives at Fira AI, focusing on large-scale conversational AI, generative **AI products, and enterprise chatbot deployments**. Spearheaded a team delivering **LLM-powered solutions** with measurable business outcomes including improved automation and customer satisfaction. Responsible for **system design, building scalable backends with GO and Python and integrating AI into production-grade applications.**

Voilabs   **Octorber 2023 - April 2023**
Software Engineer   Remote
🔗 https://voilabs.com/

Contributed to AI-driven web applications, leveraging **Next.js and backend services to integrate LLM for real-time personalization**. Developed, fine-tuned, and deployed transformer-based NLP models to production pipelines. **Collaborated across teams** to improve accuracy of ML systems.

Education

Bahria University Islamabad   **September 2016 - July 2020**
Software Engineering   Bs (Hons)

Volunteering

Lablab.ai   **October 2023 - Present**
Hackathon Mentor & Judge   Remote
🔗 Lablab.ai

Mentored international teams during AI hackathons organized by Lablab.ai with sponsors such as Stability AI and OpenAI. Guided teams in project planning, model integration, and product deployment, helping participants ship real AI applications within days.

Skills

Backend development	**Machine Learning**	**Cloud Computing**
JavaScript, Python, Node.js, Express.js, Golang, FastAPI, Celery, Rust	Python, Sklearn, Numpy, pandas, Matplotlib, TensorFlow, LLMs, Diffusion Models, Generative AI, LangChain, LlamaIndex, Langraph, Seaborn	AWS, Docker, Linux, S3 bucket, Serverless Functions, EC2, Sagemaker, GCP, Cloud Functions, Vertex AI

Interests

Hackathons

Certifications

Mathematics for ML and DataScience   **Machine Learning Specialization**
DeepLearning.ai   DeepLearning.AI & Stanford Online
                                                  🔗 Certificate

Meta Front-End Developer
Meta
🔗 Certificate

Awards

Runnerup StableCode 24-hours Hackathon   **September 2023**
Stablitiy.ai & Lablab.ai
🔗 Certificate