Lead GenAI Engineer

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Company: NorthBay Solutions

Location: Pakistan

Category: computer-and-mathematical

Job Description: We are seeking a highly skilled Lead GenAI Engineer to join our dynamic team. As a Lead GenAI Engineer at NorthBay, you will play a crucial role in developing and implementing AI-driven solutions to address our clients' business challenges. You will collaborate with cross-functional teams to design, build, and deploy innovative AI models and applications, leveraging your expertise in LLM (Large Language Models), GenAI (Generative AI), Vector Embedding, and related technologies. Location: Lahore, Karachi, Islamabad (Hybrid Role) Experience: 8 to 10+ years Requirements: Bachelor's or Master's degree in Computer Science, Engineering, or a related field. 8 to 10+ years of hands-on experience in AI/ML development, with a focus on LLM, GenAI, and Vector Embedding. Strong proficiency in programming languages such as Python, Java, or Scala. Solid understanding of machine learning algorithms, deep learning frameworks (e.g., TensorFlow, PyTorch), and natural language processing (NLP) techniques. Experience working with cloud platforms, preferably AWS, and proficiency in related services such as SageMaker, Lambda, and S3. Excellent communication skills and the ability to effectively collaborate with cross-functional teams and clients. Demonstrated leadership abilities, with a track record of successfully leading and mentoring technical teams. Experience working in a client-facing role and delivering end-to-end AI solutions from concept to production. Strong problem-solving skills and a passion for leveraging AI to drive business impact. Preferred Qualifications: Experience with DevOps practices and tools for CI/CD (Continuous Integration/Continuous Deployment). Certifications in AI/ML, such as AWS Certified Machine Learning - Specialty or equivalent. Knowledge of big data technologies (e.g., Hadoop, Spark) and distributed computing

concepts. Familiarity with Agile methodologies and experience working in Agile development environments. Responsibilities: Lead the design, development, and deployment of AI/ML solutions to meet client requirements. Work closely with clients to understand their business needs and translate them into technical solutions. Conduct research and experimentation to enhance AI models and algorithms, focusing on LLM, GenAI, and Vector Embedding techniques. Collaborate with data scientists, engineers, and other stakeholders to integrate AI capabilities into existing systems and applications. Provide technical leadership and guidance to junior team members, fostering a culture of innovation and continuous learning. Stay up-to-date with the latest advancements in AI/ML technologies and trends, evaluating their potential impact on our projects and solutions. Participate in pre-sales activities, including solution design, proposal development, and client presentations. Join us at NorthBay and be part of a talented team that is shaping the future of AI-driven innovation. Apply now to unleash your potential and make a meaningful impact in a rapidly evolving industry. About Us: NorthBay is a leading AWS Premier Partner company specializing in advanced technologies including AI/ML, Big Data, Cloud, and DevOps. We are committed to delivering cutting-edge solutions to our clients, leveraging the power of AI and machine learning to drive innovation and business growth. Powered by JazzHR

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