Job Ref. No.   **JLIL390**

Position: **AI ENGINEER -FULLSTACK**

Jubilee Insurance was established in August 1937, as the first locally incorporated Insurance Company based in Mombasa. Jubilee Insurance has spread its sphere of influence throughout the region to become the largest Composite insurer in East Africa, handling Life, Pensions, General and Medical Insurance. Today, Jubilee is the number one insurer in East Africa with over 450,000 clients. Jubilee Insurance has a network of offices in Kenya, Uganda, Tanzania, Burundi. It is the only ISO certified insurance group listed 2on the three East Africa stock exchanges – The Nairobi Securities Exchange (NSE), Dar es Salaam Stock Exchange and Uganda Securities Exchange. Its regional offices are highly rated on leadership, quality and risk management and have been awarded an AA- in Kenya and Uganda, and an A+ in Tanzania. For more information, visit www.JubileeInsurance.com.

We currently have an exciting career opportunity for an **AI Engineer - Fullstack** within **Jubilee Life Insurance Limited.** The position holder will report to the **Head of Data** and will be based at our Main Office.

Role Purpose

The Role holder is responsible for designing, developing, and deploying end-to-end AI-powered features across both backend systems and user-facing applications, ensuring seamless integration of intelligent capabilities into Jubilee's digital platforms. The role combines strong machine learning expertise with fullstack engineering skills to deliver scalable, high-performing AI solutions that enhance customer experience, automate workflows, and support data-driven decision-making within a fast-paced, product-driven environment.

Main Responsibilities
Strategy

1. Contribute to decisions on AI solution design, including selection between LLM APIs, fine-tuning, or RAG-based approaches.

2. Provide technical input into product development, ensuring AI capabilities align with business and user needs.

3. Evaluate emerging AI technologies and frameworks to improve product delivery and performance.

4. Support continuous innovation through experimentation and rapid prototyping of AI-driven features.

Operational

1. Design, develop, and deploy end-to-end AI features across frontend and backend systems.

2. Build and integrate AI-powered functionalities into web and digital platforms using modern fullstack technologies.

3. Implement LLM-based solutions using prompt engineering, fine-tuning, and RAG architectures.

4. Develop and maintain APIs and backend services to support AI model integration and data exchange.

5. Build intuitive user interfaces that effectively surface AI-driven insights and capabilities.

6. Develop and maintain ML pipelines, monitoring systems, and deployment workflows.

7. Conduct performance optimization of AI models and applications for production environments.

Corporate Governance

1. Ensure adherence to engineering standards, coding best practices, and MLOps principles.

2. Maintain clear technical documentation including system designs, APIs, and user flows.

3. Participate in code reviews to ensure code quality, scalability, and security.

4. Identify and mitigate risks related to system performance, data handling, and AI model reliability.

People and Culture

1. Collaborate with cross-functional teams including product managers, designers, data scientists, and engineers.

2. Contribute to a strong engineering culture through knowledge sharing, peer reviews, and collaborative problem-solving.

3. Demonstrate ownership and accountability for delivering end-to-end AI features.

4. Stay updated on advancements in AI, fullstack development, and product engineering best practices.

Key Competencies

1. Strong analytical and problem-solving skills across both AI and software engineering domains.
2. Ability to own and deliver end-to-end solutions from concept to deployment.
3. Strong communication skills for both technical and non-technical stakeholders.
4. Product-oriented mindset with focus on user experience and business impact.
5. Adaptability and ability to work in fast-paced, agile environments.
6. Strong collaboration and teamwork skills across multidisciplinary teams.
7. Continuous learning mindset with curiosity for emerging technologies.

Academic Qualifications and Relevant Experience

1. Bachelor's degree in Computer Science, Software Engineering, Mathematics, or a related field.
2. Relevant certifications in AI, cloud platforms, or software engineering are an added advantage.
3. Demonstrated portfolio of fullstack or AI-driven projects (e.g., GitHub, deployed applications) is beneficial.
4. 2–3 years of experience in AI engineering, software engineering, or fullstack development.
5. Proven experience building and deploying end-to-end applications with AI components.
6. Experience integrating AI/ML models into production systems and user-facing platforms.
7. Experience working in agile, product-driven environments.
8. Exposure to LLM-based applications and modern AI tools is advantageous.

If you are qualified and seeking an exciting new challenge, please apply via
recruitment@jubileekenya.com quoting the Job Reference Number and Position by
4th March 2026.
Only shortlisted candidates will be contacted.