Enhancing Learning Management in Life Sciences with baioniq

Healthcare & Life Sciences

bq baioniq
by quantiphi

Provide the **summary** of a research paper "**Generative adversarial network in medical imaging: A review**"

Business Impact

Improved Efficiency   Enhanced Data Security   Content Reliability

ACTO

Customer Key Facts

- Country : Canada
- Industry : Healthcare Life Sciences

Problem Context

The client provides an AI-driven software as a service (SaaS) platform tailored for learning management in the life sciences industry, leveraging OpenAI ChatGPT 4 APIs. However, they encountered challenges such as outdated data, privacy concerns, and content reliability issues. To address these challenges, they turned to Quantiphi's Generative AI SaaS, baioniq, hosted on AWS. The transition aimed to achieve a more efficient, updated, and secure solution.

Challenges

- Performance Monitoring: Ongoing monitoring of baioniq's performance is essential to identify and address any issues that may arise, ensuring the system operates smoothly and meets user expectations.

- Onboarding new customers onto the baioniq platform and setting up APIs for mobile apps and Salesforce may require extensive resources and coordination.

- User Acceptance Testing (UAT) will be crucial to ensure that the new system meets the needs of diverse users, including representatives, managers, and specialists across various departments.

Technologies Used
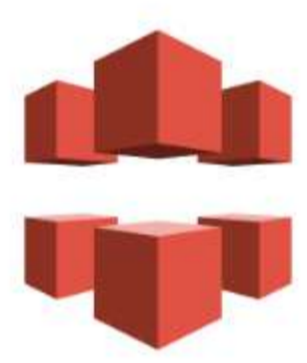
Amazon CloudFront	Elastic Load Balancing	Amazon EKS	Amazon S3	Amazon Bedrock	Amazon Cloudwatch
Frontend Angular	Backend Node Server	ElasticSearch Storage,search & Logs	Kibana Data	Nat Gateway	

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Solution

The solution entails replacing the Chat GPT 4-based assistant with Quantiphi's baioniq on the client's AWS infrastructure. It addresses inquiries from sales representatives regarding medication dosage and side effects by analyzing uploaded documents. Users span across various roles including Representatives, Managers, MSLs/Clinical Specialists, across departments such as Sales, Marketing, CL&D, and Med Affairs.

During the Proof of Concept phase, baioniq is deployed, integrated with S3 and ElasticSearch, and connected to the client's environment via APIs. Management of licensing, performance monitoring, and User Acceptance Testing (UAT) will be overseen. Subsequent phases involve setting up APIs for baioniq in the client's mobile app and Salesforce, onboarding customers, and conducting diverse UAT sessions with document uploads.

Results

- Enhanced Real-time Responses

- Increased Data Security and Privacy

- Optimized Platform Performance