EA Layer	Link to Improve Functionality	Al Tool to be used	Application to my MVP
Business	Expands SmileBots' accessibility to everyday users via WhatsApp  Provide multilingual support for user inclusivity.	Poe-trained SmileBot  WhatsApp Business API (Meta)	Enables deployment on WhatsApp, drastically increasing potential reach and usability for the South African target audience.
Application	Integrates Firebase Functions as middleware to manage the bot requests and responses.  Replaces the static, rulebased application logic with a dynamic, intelligent Albackend that can understand natural language.	Firebase Poe Al API	Poe handles intelligent replies, and Firebase connects WhatsApp to Poe Al. This serves as the new "brain" for SmileBot, processing user queries and generating contextaware, personalized responses in realtime.
Data	Data is secured and temporarily stores messages sent through WhatsApp for future context.  Data flow is improved by making an event-driven pipeline from user to Al and back, securely in the cloud.	Poe's API (context- aware)  Firebase Secrets  Manager	Real-time responses ensuring no long-term sensitive storage without consent.  Firebase manages and secures all sensitive API keys (WhatsApp, Poe AI) outside of the application code, following best practices for data security.
Technology	Modernizes the bot by utilizing cloud-based serverless functions and Meta's WhatsApp Business Cloud API for scalability.	Firebase Cloud Functions WhatsApp Business API (Meta) Poe AI	Serverless deployment ensures robust, scalable cloud infrastructure that hosts the chatbot logic, connects APIs, and handles the webhook seamlessly.