

SmartInBox

AI That Gets You. Emails That Work for You

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Problem Statement

TRADITIONAL EMAIL PLATFORMS LACK INTELLIGENT AUTOMATION AND PERSONALIZATION, MAKING IT DIFFICULT FOR USERS TO EFFICIENTLY MANAGE AND RESPOND TO LARGE VOLUMES OF EMAILS. THIS RESULTS IN REDUCED PRODUCTIVITY AND POOR CONTEXT-AWARE COMMUNICATION.

Solution Approach

- PERSONALIZED REPLIES:** MICROSERVICES FETCH, CLEAN, AND ORGANIZE EMAILS, USING USER PREFERENCES FOR TAILORED RESPONSES VIA RAG WITH THE LLAMA-3.3-70B MODEL.
- EFFICIENT COMMUNICATION:** SERVICES COMMUNICATE ASYNCHRONOUSLY VIA RABBITMQ FOR SMOOTH PROCESSING.
- SCALABLE INFRASTRUCTURE:** CONTAINERIZED WITH DOCKER AND SCALED USING KUBERNETES, WITH A USER DASHBOARD FOR CONTROL AND INSIGHTS.

The screenshots show the SmartInBox platform. The top screenshot displays the homepage with a call to action 'Revolutionize Your Inbox with SmartInBox'. Below it, a mobile device shows an inbox screen with emails from Best Buy and John Smith. The bottom screenshot is a detailed dashboard titled 'Smartinbox' with sections for 'Emails Processed' (168), 'Replace Sent' (16), 'Pending Replies' (40), and 'Avg Response' (2.1s). It includes a 'User Context' panel for Vivek Shaurya and a 'Settings' panel for Gmail connection.

Conclusion

- REDUCES THE STRESS OF EMAIL OVERLOAD BY AUTOMATICALLY GENERATING THOUGHTFUL, PERSONALIZED REPLIES.
- UNDERSTANDS YOUR TONE AND STYLE, MAKING RESPONSES FEEL NATURAL AND TRULY "YOU."
- LEARNS AND ADAPTS OVER TIME, BECOMING SMARTER AND MORE ACCURATE WITH EACH INTERACTION.
- FREES UP VALUABLE TIME, LETTING YOU FOCUS ON WHAT MATTERS MOST WHILE YOUR INBOX STAYS UNDER CONTROL.



Technology Used



- FRONTEND: REACT.JS, TAILWIND CSS
- BACKEND: NODE.JS, EXPRESS.JS, SWAGGER FOR API DOCUMENTATION
- DATABASE: MONGODB WITH MONGOOSE ODM
- AI: LANGUAGE MODELS (LLM), PROMPT ENGINEERING, RAG (RETRIEVAL AUGMENTED GENERATION)
- TESTING: POSTMAN (API TESTING), JMETER (LOAD TESTING), CUSTOM METRICS SERVER (INTEGRATION TESTING)
- DEPLOYMENT: RENDER, DOCKER, KUBERNETES (LOCAL SETUP)