// PORTFOLIO · MAY 2026

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FULLSTACK WEB DEVELOPER & AI AUTOMATOR

I build modern web platforms in Next.js, NestJS and FastAPI, and ship agentic AI systems, RAG pipelines and end-to-end automations to production. 10 highlighted projects inside — fullstack platforms, AI integrations, voice interfaces, and automation pipelines.

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Oviedo, Asturias · CET

What’s inside

Selected projects shipped to production — fullstack platforms, AI integrations, RAG pipelines and end-to-end automations. One page per project: image, what I built, stack, highlights.

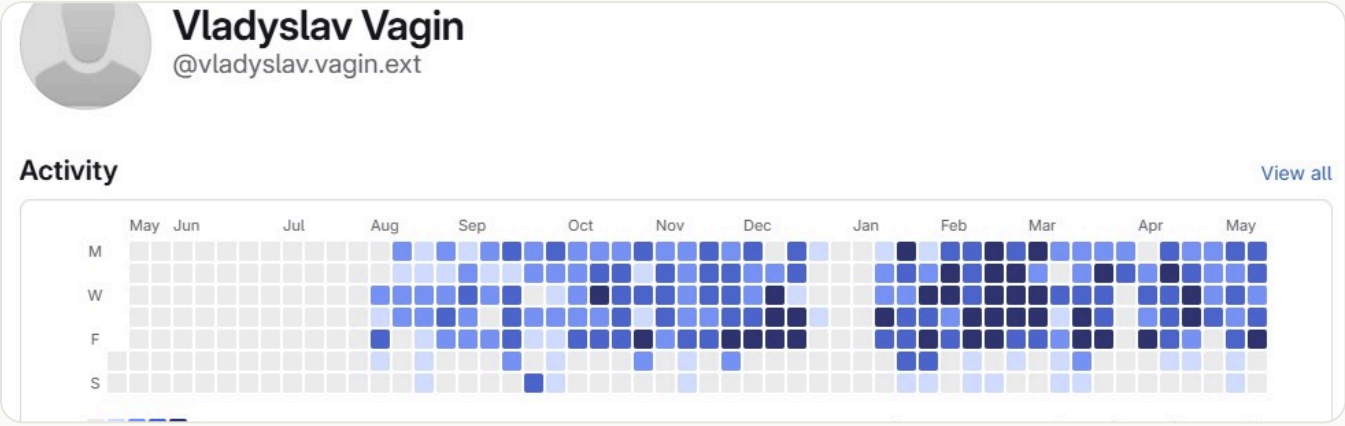
21+
projects shipped

6+ yrs
fullstack experience

EU + LatAm
clients across regions

Enterprise AI Platform — Fullstack Web Developer (Germany, NDA)

Major European enterprise (Germany) · NDA — name withheld · Fullstack web developer · AI integrations, interfaces, backend



Currently working as an external fullstack web developer for a large European enterprise based in Germany — building AI-powered user interfaces and backend services on Next.js and FastAPI. Under NDA: company name and code can't be shown; the activity heatmap stands in as evidence of continuous engagement since August 2025.

WHAT I BUILT

- → Frontend on Next.js + TypeScript: production user interfaces against a typed API surface — routing, state, auth integration, design-system components, and the AI-feature UX (streaming responses, partial states, error handling).
- → Backend on FastAPI: typed Python services sitting between the UIs and the AI layer — request validation via Pydantic, auth, structured outputs, observability hooks, and clean contracts for the frontend.
- → AI integrations across the stack: wiring LLM-powered features into both surfaces — orchestration, prompt management, response handling, and graceful fallbacks for partial failures or rate-limit conditions.

STACK

`Next.js` `React` `TypeScript` `FastAPI` `Python` `AI / LLM integrations` `REST APIs` `Git · MR workflow`

HIGHLIGHTS

Aug 2025 → Present
ongoing engagement, continuous activity

Next.js + FastAPI
fullstack across UI and Python backend

AI integrations
LLM-powered features wired through both surfaces

Any.ai — AI Platform (Admin UI, Web App, WordPress Plugin)

Any.ai · AI startup · Fullstack developer · admin UI, web app, WordPress plugin

Ten-month fullstack build at an AI startup: a React admin dashboard, the user-facing web app, and a WordPress plugin that embeds Any.ai into third-party sites — all wired against a NestJS microservices core on AWS.

WHAT I BUILT

- → anyai-admin-ui — React + TypeScript + Vite + Tailwind dashboard for managing the platform: tenants, services, model usage, and operations. Dockerized for reproducible deploys into staging and production.
- → anyai-ui — the main user-facing React app: Redux for client state, react-i18next for multi-locale copy, Tailwind for a responsive design system shared with the admin surface, Vite for fast HMR in dev and a small production bundle.
- → anyai-wordpress-plugin — WordPress plugin that embeds Any.ai functionality into third-party sites: widget support for the front-end, an admin panel for site owners to configure the connection, and separate production / staging deployment packages so installs map cleanly to the right backend.

STACK

React · TypeScript · Vite · Tailwind CSS · Redux · react-i18next · NestJS · Microservices · MongoDB · Docker · AWS · WordPress

HIGHLIGHTS

10 months
production work at an AI startup

3 surfaces
admin dashboard · web app · WordPress plugin

Microservices-wired
React + WP plugin against a NestJS gateway on AWS

End-to-End Lead Generation & Marketing Automation

Marketing department · Internal R&D · Solo build · funnels, qualification, routing, CRM segmentation, nurture

An end-to-end lead generation and marketing automation system: ClickFunnels captures traffic, Typeform qualifies on budget / project type / intent, Make.com routes and scores, and ActiveCampaign segments contacts into personalized email nurture sequences — built for scalable customer acquisition.

WHAT I BUILT

- → Capture on ClickFunnels: high-converting funnels are the front door — every form submission fires a webhook into Make.com, so the lead is in the pipeline the moment the user hits submit.
- → Qualification on Typeform: a conversational form scores leads on budget, project type and intent. The structured responses are what the rest of the system reads from — no free-text parsing later in the flow.
- → Routing on Make.com: a central scenario reads the funnel + Typeform payload, applies a lead-scoring rubric (budget band × project type × intent signal), and routes each lead down the right branch — sales-ready, nurture, or disqualified — without a human in the middle.

STACK

ClickFunnels · Typeform · Make.com · ActiveCampaign · Webhooks · Lead scoring · CRM automation · Email nurture

HIGHLIGHTS

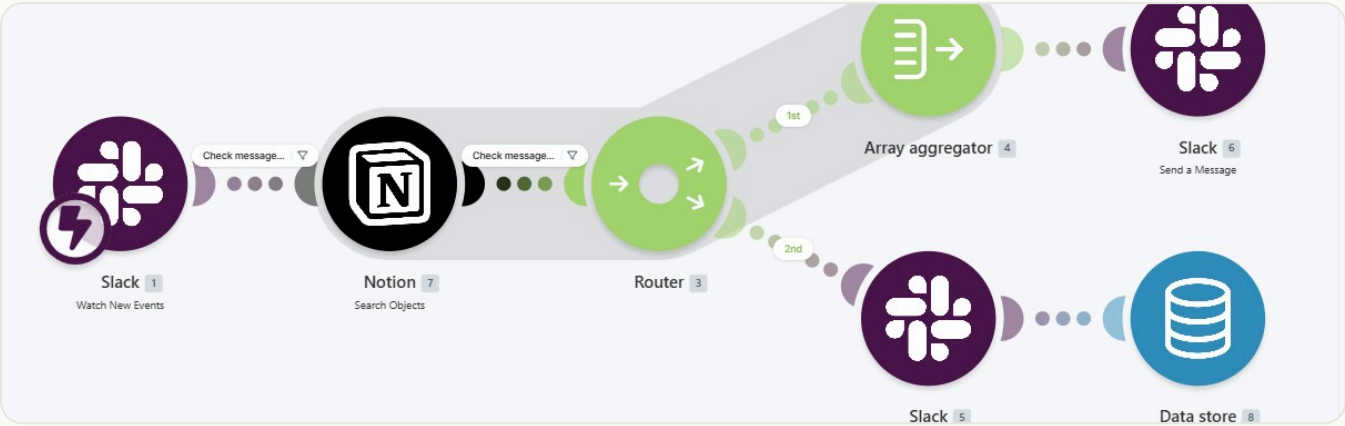
4 systems
ClickFunnels · Typeform · Make.com · ActiveCampaign — one pipeline

Auto-qualified
budget × project type × intent scored without human review

Segment-on-capture
contacts land in the right ActiveCampaign list the moment they submit

Slack ↔ Notion Automation — Manage Tasks Without Leaving Slack

Internal R&D · Solo build · Make.com orchestration + Slack/Notion APIs



A Make.com automation that bridges Slack and Notion: type "overdue" in Slack to get every delayed task with full context, and mark any task done with a single emoji reaction — no tab switching, no manual updates.

WHAT I BUILT

- → Scenario 1 — list overdue: a Slack 'Watch New Events' trigger fires on the keyword "overdue". Make queries the Notion task database for items past their due date, a Router splits the flow, an Array Aggregator builds a single message with title + priority + status + link, and Slack posts the digest back into the channel.
- → Scenario 2 — close on reaction: a separate Slack trigger watches for a designated emoji reaction. The Make Data Store maps the reacted-to Slack message back to its Notion page, Notion updates Status → Done, and Slack drops a confirmation in-thread — one click, zero forms.
- → Make Data Store as the join table: every overdue list-out writes (slack_ts, channel_id) → notion_page_id, which is exactly what Scenario 2 reads at reaction time. No fragile message parsing, no LLM in the hot path.

STACK

`Make.com` `Slack Events API` `Notion API` `Make Data Store` `Webhooks` `OAuth 2.0`

HIGHLIGHTS

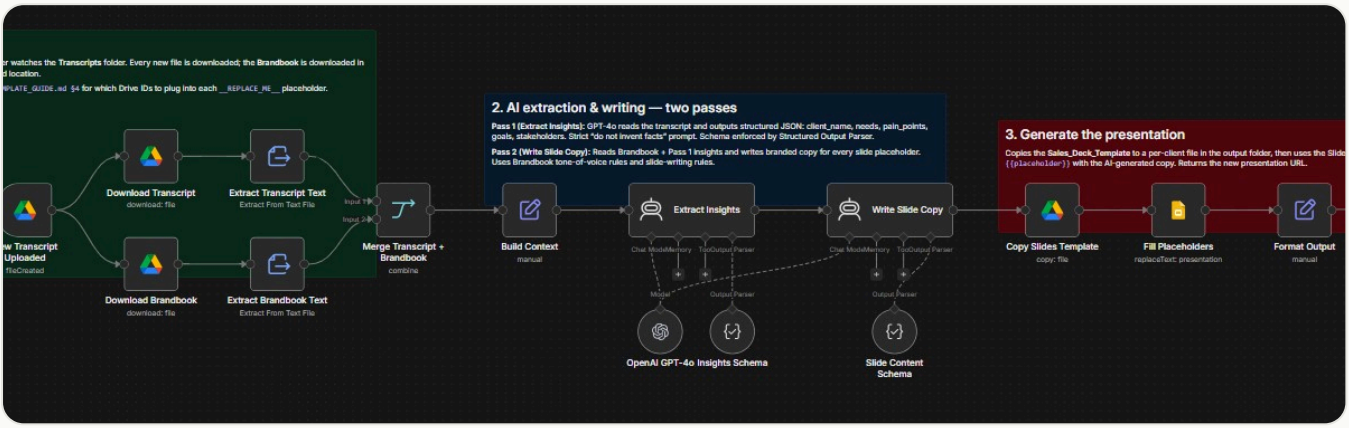
1 keyword
type "overdue" → full list with context

1 emoji
react to close a task — no tab switching

Single source of truth
Notion stays authoritative, Slack stays the interface

AI Sales Deck Generator — Transcript to Branded Presentation

Internal R&D · Solo build · architecture + n8n + prompts



An end-to-end AI workflow that turns a raw sales-meeting transcript into a client-ready, on-brand Google Slides deck in under 60 seconds.

WHAT I BUILT

- → Two-pass agent architecture: pass 1 extracts structured client insights (needs, quantified pain points, goals with metric → target → deadline, stakeholders) under a strict no-fact-invention constraint; pass 2 writes branded slide copy from those insights + the Brandbook (tone, messaging pillars, banned-words list, slide-writing rules).
- → LangChain Structured Output Parsers enforce valid JSON between passes so downstream nodes never receive malformed payloads.
- → Drive API copies a pre-designed Google Slides template; Slides API batchUpdate swaps eleven placeholders with the generated copy — brand styling stays locked, content adapts per client.

STACK

n8n · OpenAI GPT-4o · LangChain Structured Output Parsers · Google Drive API · Google Slides API · OAuth 2.0

HIGHLIGHTS

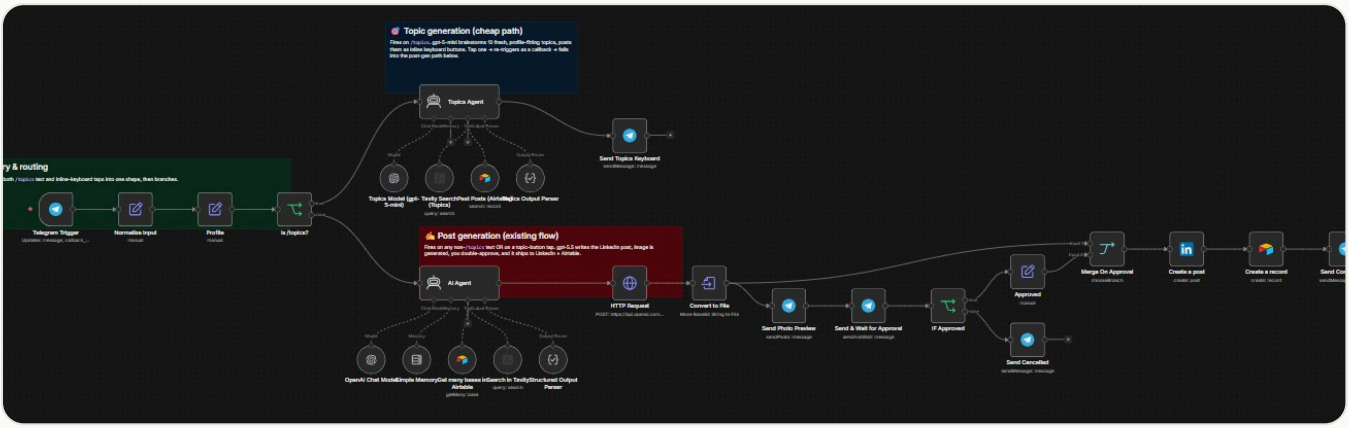
~60s
transcript in, deck out

$0.05–$0.30
OpenAI cost per deck

Light review
only minor edits before client delivery

Bot Post Creator in Telegram — Automated LinkedIn Content Pipeline

Internal R&D · Solo build · n8n + prompts + integrations



An automated LinkedIn content pipeline orchestrated in n8n and driven from a Telegram bot — idea generation, content + image creation, human approval, then publish to LinkedIn and log in Airtable.

WHAT I BUILT

- → Topic generation: the bot reads my LinkedIn profile + recent posts and proposes 10 relevant topics, sent to Telegram as tap-to-select buttons.
- → Content generation: on selection, an LLM writes the full post and an image-generation model produces a matching visual. Structured Output Parsers enforce a strict JSON shape so downstream nodes never receive malformed payloads.
- → Preview & approval in Telegram: the draft + image come back as a single preview with Approve / Reject buttons — no editorial work outside the chat thread.

STACK

`n8n` `Telegram Bot API` `LinkedIn API` `OpenAI (text + image)` `Airtable` `Structured Output Parsers` `OAuth 2.0`

HIGHLIGHTS

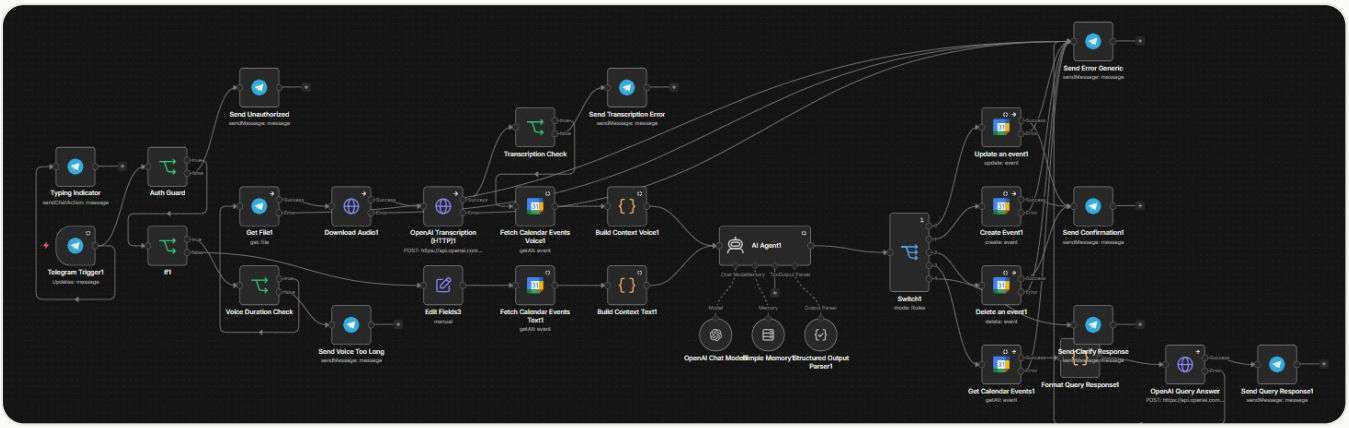
10 topics
AI-generated per session

1 tap
approve or reject in Telegram

4 systems
Telegram · LinkedIn · Airtable · OpenAI

AI Calendar Assistant — Manage Google Calendar from Telegram

Independent SaaS · calendar-assistant.click · Solo build · product, web app, agent + automations



A SaaS Telegram bot that manages your Google Calendar by voice or text — create, update, delete, and query events in natural language, no app switching.

WHAT I BUILT

- → Telegram-first UX: users send a voice note or a text message to the bot and get back a confirmation, a clarifying question, or a calendar read-out — no app switching, no manual entry.
- → Multilingual agent: OpenAI Whisper transcribes voice; a GPT-powered agent with a Structured Output Parser maps free-form intent to a strict action schema (create / update / delete / query) so downstream Google Calendar nodes never receive malformed payloads.
- → n8n orchestration graph: Telegram trigger → auth guard → voice-duration check → transcription → context build (already-existing calendar events fetched for the relevant window) → AI agent → Switch on action → Google Calendar create/update/delete/query → Telegram confirmation. Branches for unauthorized users, voice-too-long, and transcription/agent errors send specific Telegram replies instead of failing silently.

STACK

`Next.js` `TypeScript` `NextAuth` `Firebase` `OpenAI (GPT + Whisper)` `n8n` `Telegram Bot API` `Google Calendar API` `Docker`

HIGHLIGHTS

Voice or text
natural-language scheduling in Telegram

4 actions
create · update · delete · query — one agent

2 languages
EN / UK web app and bot replies

Llama Energy Promocode — Multilingual Referral Landing Page

Llama Energy · referral campaign (Spain) · Solo build · Next.js 16 + Tailwind, SSG, i18n, analytics

High-performance, multilingual landing page for the Llama Energy referral campaign — built to convert paid and organic traffic into promo-code activations for an electricity-savings service in Spain.

WHAT I BUILT

- → Next.js 16 with full Static Site Generation: every locale pre-rendered at build time, so first paint is near-instant on mobile and there's no server in the hot path between an ad click and the hero.
- → next-intl for dynamic content localization: routes are locale-prefixed (/es as the live entry), copy lives in JSON dictionaries, and adding another language is a translation file — not a code change.
- → Mobile-first Tailwind + TypeScript layout: hero, mascot lineup, benefit cards, FAQ and footer CTA all built from typed components with utility classes — small bundle, predictable styling, no CSS drift.

STACK

Next.js 16 · TypeScript · Tailwind CSS · next-intl · Static Site Generation · Next.js Animation API · Google Analytics · Vercel

HIGHLIGHTS

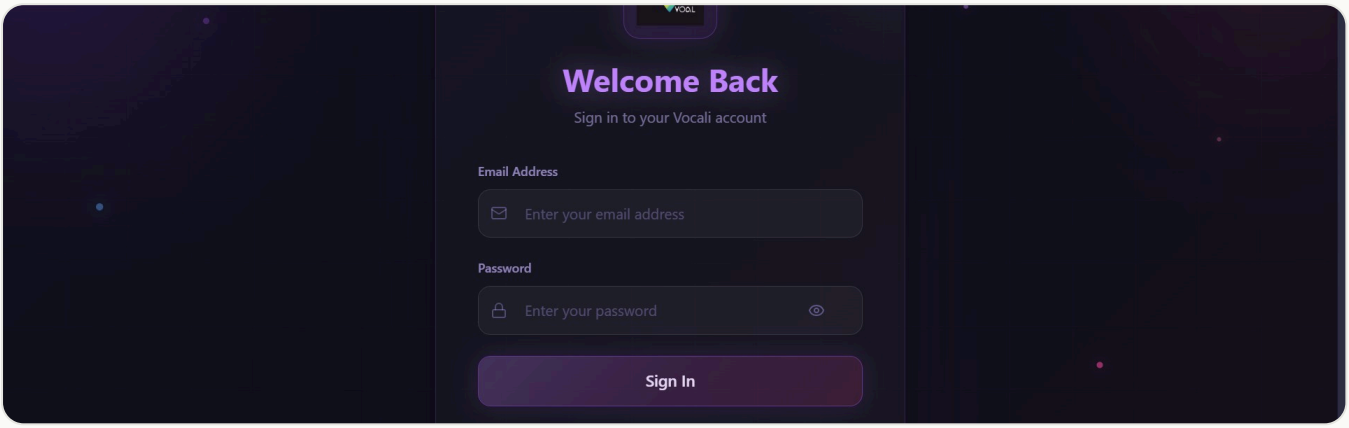
SSG
every locale pre-rendered for instant first paint

i18n-ready
Spanish live (/es); new locales are a JSON file away

UTM + GA
traffic source attribution wired to every CTA

Vocali — Voice-Interface App with Live Transcription on AWS

Inbox Medical (Barcelona) · test task · Solo fullstack · React + NestJS + AWS + Terraform



A 4-day fullstack test task for Inbox Medical (Barcelona): a voice-interface web app that uploads audio or records live in the browser, transcribes via Speechmatics in real-time or server-side, and lets the user download the transcript — backed by a NestJS API on AWS with Terraform-managed infra.

WHAT I BUILT

- → React + Vite + Tailwind frontend with two capture modes: upload an audio file, or record live in the browser. Real-time transcription streams partial results into the UI as the user speaks; server-side mode shows job progress and serves the final transcript for download.
- → NestJS + TypeScript backend owns auth, audio handling, and transcription orchestration. Speechmatics API powers both real-time streaming (WebSocket bridge) and server-side batch jobs — same provider, two flows, one API surface.
- → AWS-native architecture: Cognito for sign-up / sign-in / JWT-protected routes, S3 for audio files and transcripts, DynamoDB for user-job metadata, Route 53 for the custom domain, CloudWatch for structured logs and job-lifecycle events.

STACK

React · TypeScript · Vite · Tailwind CSS · Redux · NestJS · Speechmatics API · AWS Cognito · AWS DynamoDB · AWS S3 · AWS Route 53 · AWS CloudWatch

HIGHLIGHTS

4 days
delivered against a 1-week brief

2 modes
live in-browser recording · server-side upload

AWS + Terraform
Cognito · DynamoDB · S3 · Route 53 · CloudWatch — all IaC

AMAIA — Aeromexico AI Chatbot: Document-Grounded RAG over SharePoint

Aeromexico · NDA, internal access only · Backend developer · semantic cache, vector DB, chat-history storage

Backend contributions to AMAIA — Aeromexico's internal AI chatbot that answers questions grounded in a SharePoint document corpus updated daily. Refactored the semantic cache and vector-DB layers, migrated chat history from S3 to DynamoDB, and helped optimize the API hot path.

WHAT I BUILT

- → Refactored the Semantic Cache layer so repeated and near-duplicate questions short-circuit to a cached answer instead of re-embedding and re-querying the vector store — directly reduces LLM cost and tail latency on the hottest queries.
- → Refactored the Vector Database integration to keep similarity queries fast as the SharePoint corpus is re-ingested daily — clean separation between ingestion writes and read-path queries so refresh runs don't degrade live chat performance.
- → Migrated chat history from S3 (one object per chat/turn) to AWS DynamoDB with proper key design — constant-time access by user/session, no more listObjects pagination, and a model that actually supports queries for analytics and compliance review.

STACK

RAG architecture · Vector database · Semantic cache · AWS DynamoDB · AWS S3 · AWS EKS (Kubernetes) · AWS ECR · AWS CodePipeline · Docker · SharePoint API

HIGHLIGHTS

S3 → DynamoDB
chat history migrated, with replay + analytics access patterns

Cache + vector DB
refactored for lower latency and lower LLM cost

EKS pipeline
dev auto-deploy, qa/prod behind manual approval, rollback documented

// FIN ~24H REPLY

Let’s build something great together.

If anything in here matched what you’re trying to ship — drop me a line. I reply within a day, Mon–Fri.

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