elastic

anyone.com

CUSTOMER STORY: SEARCH

Software & Technology · Real estate search · Postgres → Elastic

Anyone.com put 210 million records on one Elasticsearch index and left Postgres in 1.5 weeks

Anyone.com, a global AI-powered real estate platform, replaced a Postgres backend it had outgrown with Elasticsearch Serverless, moving 210 million production records onto a single index and consolidating its entire search infrastructure into three lines of Terraform.

210M
Records on a single Serverless index

~1.5 weeks
To migrate the full query layer

~95%
Of queries now served by Elastic

3 lines
Of Terraform for the whole stack

The challenge

- ✕ Postgres on RDS could not cluster past tens of millions of records; the application ORM did not support it.
- ✕ A planned inventory expansion pushed volume well past what the architecture could carry.
- ✕ Whole-set queries slowed sharply at scale; a country-wide count took about 6.5 seconds.
- ✕ A separate vector database for the planned AI layer meant more operational surface and risk.

The solution

- ✓ The full query layer was rebuilt on Elasticsearch using the official Node.js client and Painless.
- ✓ 210 million records now run on a single Elasticsearch Serverless index, with Postgres kept only as failover.
- ✓ One platform serves lexical search now and vector, ELSER, and RAG next, with no separate vector store.
- ✓ The entire infrastructure is defined as code, provisioned in three lines of Terraform.

How it works

1. Ingest
Airflow pipelines from third- and first-party sources

2. Process
Snapshot diff, quality gates, transform and dedupe

3. Index
Qualified records land in Elasticsearch Serverless

4. Serve
Search and ranking behind the customer login

Before

- Postgres unable to cluster past tens of millions of records
- Country-wide count took about 6.5 seconds and grew with the table
- Search engine only, with a separate vector DB implied for the AI roadmap

After

- → Single Serverless index at 210M records and growing
- → Same count returns in 5 ms median (33 ms P95) on Elasticsearch
- → One platform for lexical now and vector, RAG, and agentic next

> **"Elastic still has this reputation of being complicated. This is not the case. Our infrastructure is literally three lines of code in Terraform right now."**
>
> — Kian Aghaei, VP of Engineering, Anyone.com

Why it matters beyond one migration

The migration kept the user-facing experience identical, so the gains show up in the team's own benchmarks rather than end-user metrics. The same platform is now the substrate for the vector search, RAG, and agentic system the team is building next, all on one backend that serves BM25, ELSER, and dense vectors in a single hybrid query. For startups and mid-sized teams building agentic systems, it is a case for adopting Elastic early.

See how Elasticsearch runs search, vector, and RAG on one platform or start a free trial →

