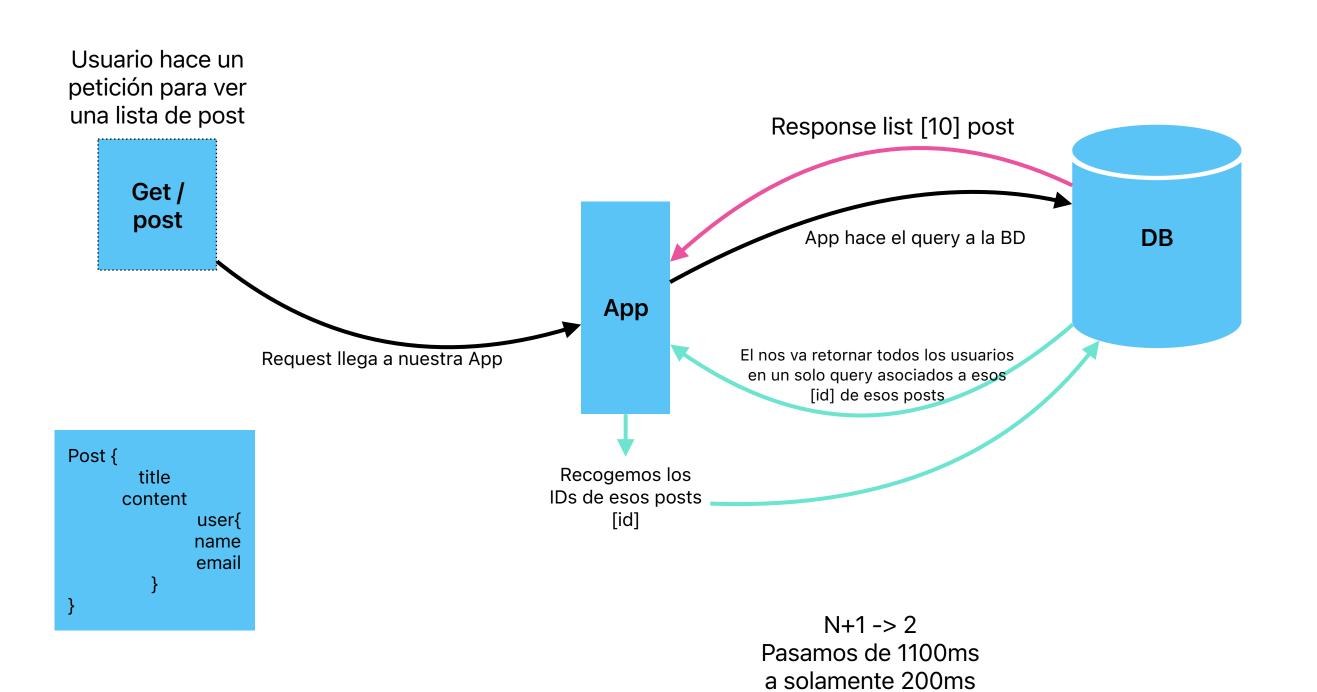


Ahora para solucionar esto podemos pasar de N+1 querys -> a solo 2 query a la BD



```
Terminal: Local (2) \times Local \times + ^{n}
 Post Create (0.1ms) INSERT INTO "posts" ("title", "content", "published", "user_id", "created_at") VALUES (?, ?, ?, ?, ?) [["title", "Deserunt at laboriosam commodi."], ["content", "Numquam et odit. Eum accusamu
s nobis. Enim magni quia."], ["published", 1], ["user_id", 9], ["created_at", "2023-10-14 19:42:08.485112"], ["updated_at", "2023-10-14 19:42:08.485112"]]
  TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
  TRANSACTION (0.0ms) SAVEPOINT active_record_2
 User Create (0.1ms) INSERT INTO "users" ("email", "name", "auth_token", "created_at", "updated_at") VALUES (?, ?, ?, ?) [["email", "velda@wolff.example"], ["name", "Thaddeus Turner"], ["auth_token", "xxxxxx"], ["created_at", "
2023-10-14 19:42:08.487621"], ["updated_at", "2023-10-14 19:42:08.487621"]]
  TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
  TRANSACTION (0.0ms) SAVEPOINT active_record_2
  Post Create (0.1ms) INSERT INTO "posts" ("title", "content", "published", "user_id", "created_at") VALUES (?, ?, ?, ?, ?) [["title", "Ipsa porro architecto necessitatibus."], ["content", "Sequi sed omnis. Vel ma
iores beatae. Vel qui quia."], ["published", 1], ["user_id", 10], ["created_at", "2023-10-14 19:42:08.488716"], ["updated_at", "2023-10-14 19:42:08.488716"]]
 TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
Started GET "/posts" for 127.0.0.1 at 2023-10-14 14:42:08 -0500
Processing by PostsController#index as HTML
 Post Load (0.2ms) SELECT "posts".* FROM "posts" WHERE "posts"."published" = ? AND (title like '%%') [["published", 1]]
[active_model_serializers] User Load (0.1ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 1], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 2], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 3], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 4], ["LIMIT", 1]]
[active_model_serializers] User Load (0.1ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 5], ["LIMIT", 1]]
[active_model_serializers] User Load (0.1ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 6], ["LIMIT", 1]]
[active_model_serializers] User Load (0.1ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 7], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 8], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 9], ["LIMIT", 1]]
[active_model_serializers] User Load (0.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = ? LIMIT ? [["id", 10], ["LIMIT", 1]]
[active_model_serializers] Rendered ActiveModel::Serializer::CollectionSerializer with ActiveModelSerializers::Adapter::Attributes (10.82ms)
Completed 200 OK in 34ms (Views: 18.8ms | ActiveRecord: 0.7ms | Allocations: 29081)
  TRANSACTION (0.1ms) ROLLBACK TO SAVEPOINT active_record_1
 TRANSACTION (0.5ms) rollback transaction
Profiler ► Run III TODO III Problems III Terminal III Services III Profiler
```

```
blogapi → app → controllers → 🌠 posts_controller.rb → 😭 PostsController → 📬 index
                                                                                                                                                                                 | 💮 Posts ▼ | 🕨 🐞 😥 🕜 ▼ || | Git: 👱 🏲 🛼 🕙 🙃 | 🔾 🔓
                                            🚜 🥫 😑 notes.txt × 🛴 posts_spec.rb × 🧨 posts_controller.rb × 🧗 posts_search_service.rb × 🛴 posts.rb ×
   Project V

∨ □ blogapi - ~/Documents/blogapi main / 2 Δ

                                                                 # Diego Rojas *
                                                                                                                                                                                                                                 A<sub>2</sub>22 ↑ ↓
    🗦 🐚 .idea
                                                                 class PostsController < ApplicationController
    # manejamos las exepciones que pueden ocurrir donde vamos a recibir en formato json los errores de la pruebas
       > 🏮 channels
                                                                  # Se debe tener en cuenta el orden de las excepciones.

✓ □ controllers

                                                                   rescue_from Exception do |e|
        > concerns
                                                                    render json: { errors: e.message }, status: :internal_server_error # representa un 500 servidor fallo
           application_controller.rb
          🌋 health_controller.rb
           posts_controller.rb
                                                                   rescue_from ActiveRecord::RecordInvalid do |e|
      > 🛅 jobs
                                                                     render json: { errors: e.message }, status: :unprocessable_entity
       > 📴 mailers
       models
                                                                   end
                                                                   ☆ Codeium: Refactor Explain Docstring
        > concerns
           application_record.rb
                                                                     🚜 Diego Rojas *
           post.rb
           user.rb
                                                                     def index
       serializers
                                                                    # return posts published
           🌈 post_serializer.rb
                                                                     @posts = Post.where(published: true)

	✓ □ services

                                                                    if params[:search].nil? || params[:search].present?
           posts_search_service.rb
                                                                      @posts = PostsSearchService.search(@posts, params[:search])
       > 🧓 views
     > 🔯 bin
                                                                    render json: @posts.includes(:user), status: :ok You, Yesterday • Uncommitted changes
     config
       > 🔣 environments
                                                          PostsController → index
  Terminal: Local \times Local (2) \times + \checkmark
   Post Create (0.1ms) INSERT INTO "posts" ("title", "content", "published", "user_id", "created_at", "updated_at") VALUES (?, ?, ?, ?, ?) [["title", "Atque et quia voluptates."], ["content", "Aut iste et. Iusto et at. Est disti
  nctio et."], ["published", 1], ["user_id", 9], ["created_at", "2023-10-14 19:51:52.573511"], ["updated_at", "2023-10-14 19:51:52.573511"]]
    TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
    TRANSACTION (0.0ms) SAVEPOINT active_record_2
    User Create (0.1ms) INSERT INTO "users" ("email", "name", "auth_token", "created_at", "updated_at") VALUES (?, ?, ?, ?) [["email", "albert@schaefer.test"], ["name", "Tama Roberts"], ["auth_token", "xxxxxx"], ["created_at", "20
  23-10-14 19:51:52.576199"], ["updated_at", "2023-10-14 19:51:52.576199"]]
    TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
    TRANSACTION (0.0ms) SAVEPOINT active_record_2
    Post Create (0.1ms) INSERT INTO "posts" ("title", "content", "published", "user_id", "created_at") VALUES (?, ?, ?, ?, ?) [["title", "Delectus ut quaerat eos."], ["content", "Molestiae consequuntur nihil. Itaque
   provident magni. Non iusto ut."], ["published", 1], ["user_id", 10], ["created_at", "2023-10-14 19:51:52.577384"], ["updated_at", "2023-10-14 19:51:52.577384"]]
    TRANSACTION (0.0ms) RELEASE SAVEPOINT active_record_2
  Started GET "/posts" for 127.0.0.1 at 2023-10-14 14:51:52 -0500
Post Load (0.2ms) SELECT "posts".* FROM "posts" WHERE "posts"."published" = ? AND (title like '%%') [["published", 1]]
    User Load (0.2ms) SELECT "users".* FROM "users" WHERE "users"."id" IN (?, ?, ?, ?, ?, ?, ?, ?, ?, ?) [["id", 1], ["id", 2], ["id", 4], ["id", 5], ["id", 6], ["id", 7], ["id", 8], ["id", 9], ["id", 10]]
🔳 [active_model_serializers] Rendered ActiveModel::Serializer::CollectionSerializer with ActiveModelSerializers::Adapter::Attributes (2.05ms)
  Completed 200 OK in 42ms (Views: 25.8ms | ActiveRecord: 0.4ms | Allocations: 30191)
    TRANSACTION (0.1ms) ROLLBACK TO SAVEPOINT active_record_1
    TRANSACTION (0.4ms) rollback transaction
```