PostgreSQL

Google Summer of Code 2021

Project

IMPROVE PGARCHIVES

Nhi Dang

About Me

Why am I interested in working with PostgreSQL?

PostgreSQL is a free, powerful, open source relational database that has been helping many developers build applications, administrators to protect data integrity and build fault-tolerant environments. It would be a great honor to contribute to such a valuable project and pay back to PostgreSQL's community. This will give me an opportunity to start a new mentorship with awesome contributors, to exchange ideas, and to grow as a developer.

Essential Prerequisites

- I have experience with Python and Django for Backend Development.
    - ➢ Website Demo | Github
- I have experience in developing responsive, mobile/tablet friendly client applications using technologies such as Django Template Language, Javascript, ReactJS, Bootstrap, HTML/CSS .
    - ➢ Recent Project that I have been contributing to
- I am able to run one suite of e2e tests on my machine. (Show a screenshot of a successful test.)

Timezone(s)

- *Location*: California, USA
- *Timezone*: Pacific Daylight Time (GMT-7)

Time commitment

- My working days would be from Monday to Thursday (or Tuesday to Friday).
- I will be working on my GSoC project 4 days a week with an average of 6-7 hours per day.

Other summer obligations

- I have a part-time job but I will ensure to deliver my project on time and try my best to contribute as much as I can.

Contact Information

- **Email:** nhidangsd@gmail.com
- **Mobile:** +1 (619)-560-6830
- **Github:** [@nhidangsd](https://github.com/nhidangsd)
- **Microsoft Teams** & **Slack :** nhidangsd@gmail.com
- **Discord:** NhiDang#7076

Communication channels

- I am open to use any communication channel(s) that my mentor prefers or suggests.
- My goal is to have 2-3 meetings in every 2 weeks with my mentor to provide updates on the deliverable but it will also depend on my mentor's availability.

Project Details

Product Design

1. ## Searching Area:

   - Currently the search area displays 4 rows allowing users to filter out the searching result.

   - As our Django website is not a single page application, the result page will not be rendered until users click on the Search icon. Thus the Search button should be placed after all the filtering options are set.

   - I suggest that we place the Search button at the bottom of the searching area. This layout could be further improved by putting the last 3 rows on the same line shifting the main focus of users on to the Search Term row.

   ### Current layout

   Search term:

   | User lists | 🔍 |

   List:

   -- All lists ⇕

   Date:

   anytime ⇕

   Sort By:

   Date ⇕

Suggested Layout

Search Term:

User lists

Filter by: Sort by:

List: All lists ▼   **Date:**   Anytime ▼   Date ▼

SEARCH

2. Result Pagination:

- Currently the layout for the searching is not user friendly causing users difficulty when skimming the searching result.

- I suggest avoiding Red color in the result section associated with errors in Software Development. Also, there is no need to display the entire message ID but giving the ability to copy the ID is a better approach.

Current layout

Results 1-20 of 262.

Result pages: 1 **2 3 4 5 6 7 8 9 10 11 12 13 14 Next**

1. **Re: CV/Resume spam mails** [0.01]
From Magnus Hagander <magnus@hagander.net> on 2021-01-15T13:14:24.
On Fri, Jan 15, 2021 at 2:08 PM Guillaume Lelarge wrote: > > Hi, > > Le
https://www.postgresql.org/message-id/CABUevEx3Vkf3tdAtaXxVpCkrJR5wGTnC1deN8FfEadeA+C941w@mail.gmail.com

2. **Adding nextval() to a select caused hang/very slow execution** [0.00]
From Eric Raskin <eraskin@paslists.com> on 2020-11-04T17:10:21.
Hello (TL;DR): Noob here, so please bear with me. The SQL I'm presenting
https://www.postgresql.org/message-id/CAF9L-R7G_ge=v21mnfH=sbfCt9LF7LhaDbUzqso+LsFhgeKbyQ@mail.gmail.com

3. **Re: factorial function/phase out postfix operators?** [0.00]
From Mark Dilger <mark.dilger@enterprisedb.com> on 2020-08-26T03:12:00.
> On Jul 29, 2020, at 5:03 AM, John Naylor wrote: > > On Wed, Jul
https://www.postgresql.org/message-id/09D4A355-C18F-4714-9EBB-0BEECB5324B5@enterprisedb.com

Suggested Layout

Results 1–20 of 262.

Result pages: **1** 2 3 4 5 6 7 8 ... **Next**

1. **Re: CV/Resume spam mails [0.01]**

Sender:	Magnus Hagander <magnus(at)hagander(dot)net>	**Date:**	2021-01-15
Message:	On Fri, Jan 15, 2021 at 2:08 PM Guillaume Lelarge wrote ... Read more		
Message ID:	CABUevEx3Vkf3tdAtaXxVpCkrJR5wGTnC1deN8FfEade ... Copy ID		

2. **Adding nextval() to a select caused hang/very slow execution [0.00]**

Sender:	Eric Raskin <eraskin@paslists.com>	**Date:**	2020-11-04
Message:	Hello (TL;DR): Noob here, so please bear with me. The ... Read more		
Message ID:	CAF9L-R7G_ge=v21mnfH=sbfCt9LF7LhaDbUzqso+LsF ... Copy ID		

3. **Re: Download navigation UX [0.00]**

Sender:	Mark Dilger <mark.dilger@enterprisedb.com>	**Date:**	2020-08-26
Message:	On Jul 29, 2020, at 5:03 AM, John Naylor wrote: > > On ... Read more		
Message ID:	09D4A355-C18F-4714-9EBB-0BEECB5324B5@enterpr ... Copy ID		