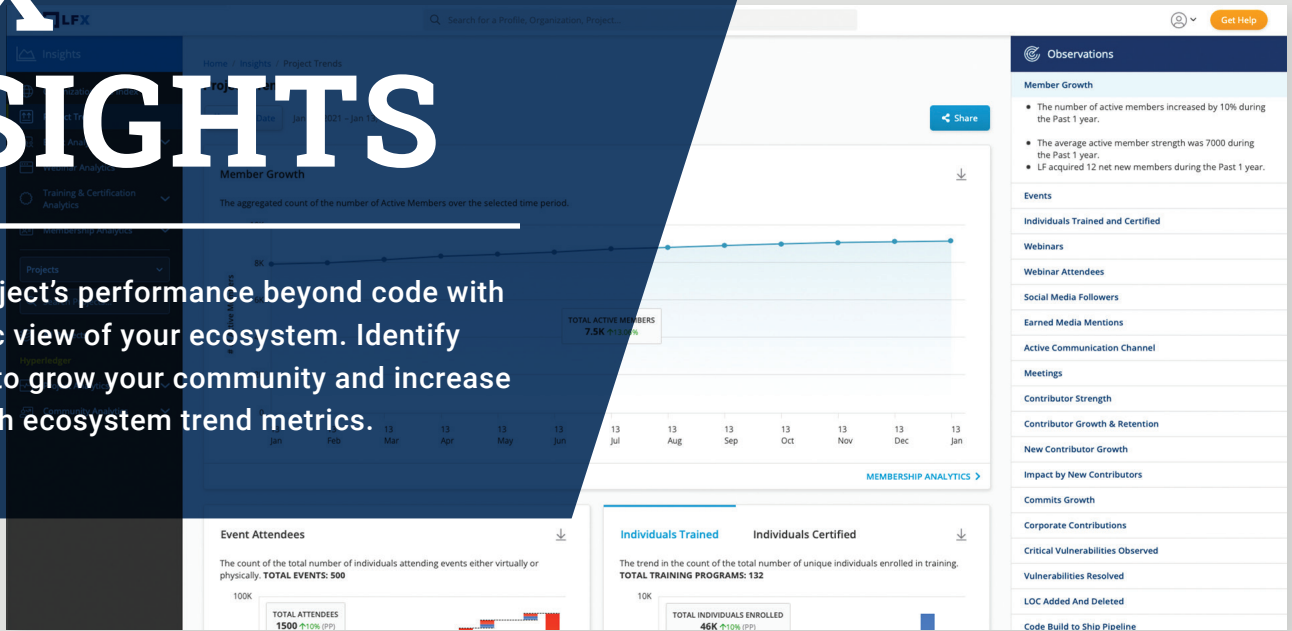


LFX INSIGHTS

Track your project's performance beyond code with a more holistic view of your ecosystem. Identify opportunities to grow your community and increase awareness with ecosystem trend metrics.



OVERVIEW

The current version of Insights was heavily utilizing Elastic's Kibana BI tool to provide analytics to the Linux Foundation users. The Elastic service was costing the company roughly \$25,000/month and our stakeholders were interested in reducing the cost associated with the product.

TEAM

The project was assigned 1 Product Developer that documented the requirements which were accessible on Confluence. Due to the projects visibility and desire for a quick turnaround, I had designated myself as the design lead and brought in 1 senior and 1 junior designer from the design team to assist me in the product redesign process.

CHALLENGE

The Linux Foundation engineering team was already involved in an ongoing effort to transfer all of the LF data to a data lake and were interested in connecting it to a new Insights product.



Target

We were asked to complete the redesign in 3 months.



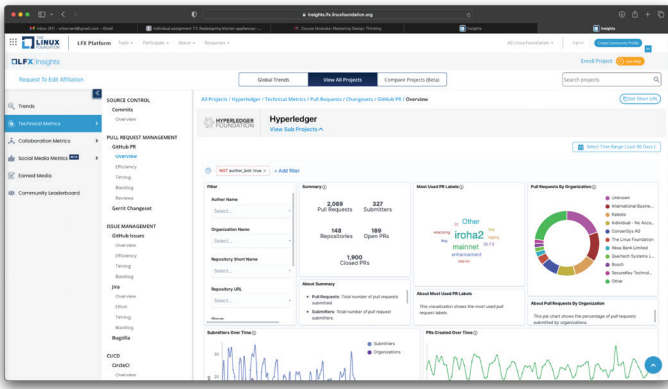
Development

Current and new visualizations will be converted to a javascript chart library.



Future Plan

Provide a comparison tool, expanded sharing, and benchmarking features.



Members of the team were then brought into the prototyping process which were 1 senior and 1 junior designer. Using the examples that I had previously created on the Trends screen, each designer was assigned screens based on the requirements to produce the displays. The senior designer also had the responsibility of reviewing the work provided by the junior designer to ensure the design quality was correctly established and requirements were being met.

LF is a remote-first company so a Slack channel was established for this project in order to effectively communicate with each other and provide instant feedback upon review.

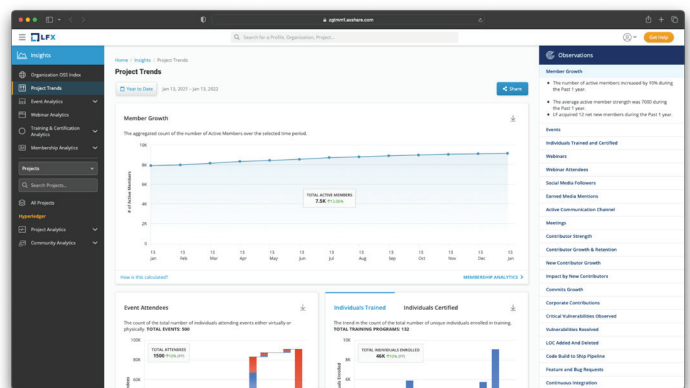
As the team became more familiar with the screen creation, I gave them more freedom to make design decisions regarding the layout within the grid system. The layouts consisted of an assortment of cards ranging from large/medium/small charts, insights carousels, tabbed/accordion navigation components, tables, and statboxes.

I had then moved into more of a management role by reviewing the layouts as they were completed, and providing feedback. The Product Developer and I would have 2 meetings per week to discuss the details of the evolving requirements and the current/future status of the designs.

While the team worked on the layouts, I concentrated on the implementation of the new multi-tiered navigation that was being established and how it would function within all of the adaptive views. There were times when I felt we would not meet the 3 month deadline and I would assist with screen designs and periodically reassign additional members of the design team to the project.

RESULTS

Our efforts were rewarded by completing all of the screens within the 3 month timeframe I then made myself available to the engineering team within their development Slack channel to respond to any questions they had during implementation. As the engineering team progressed, I would conduct QA design reviews within the DEV environment and record the feedback to a JIRA that was created. The new Insights product was successfully released and is currently available to its members on linuxfoundation.org.



[View the prototype](#) or [what's in production.](#)

PROBLEM

The above screenshot shows an example of the Kibana dashboards that needed to be removed and replaced with data displayed within a javascript chart library.

Usability was also an issue. The current navigation and display was very confusing for the user. The display of the information felt unorganized along with the multiple tiers of navigation which also reduced the percentage of screen available to view the content.

STRATEGY

While the requirements for this project were still evolving, we did know that there was a desire to provide a responsive display. Our approach would consist of providing the display within a flexible, responsive grid. The design must be flexible enough to display multiple types of charts and tables.

I asked the whole design team (6 individuals) to conduct comparative research and identify products that provide flexible displays of analytics. We created a Pinterest board where everyone could upload screenshots of their research and we could review them together as a team.

Navigation had previously been identified as a global issue with the LFX platform and a multi-tiered concept was already being designed separately. The team had been establishing a new design system and simultaneously creating a component library to utilize for our prototypes.

When I started at LF, a goal of mine was to address the lack of accessibility within the UX. One of those improvements was to create a 32-color ADA compliant data visualization palette. This feature had already been established by the team and was ready to be implemented in our new charts.

As the design lead on this project, I established the responsive 1, 2, and 3 column grid display, as well as, implementing our concept for the multi-tiered navigation. The global "Trends" screen had the most established requirements and included most of the necessary chart types. Utilizing our current design system, I created examples of each chart type for all adaptive views (desktop, laptop, portrait tablet, and phone).