Bob's Builders

Capstone, Fall 2017

What is Procore?

Procore is the most widely used construction management software in the world.

They provide their clients with tools to help them…

- **Manage** construction projects
- Ensure **quality** and **safety**
- Monitor **finances**
- Measure and maximize **productivity**

"*We build the software that builds the world.*" - Tyler Goff

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What's the problem?

Procore collects **data… a lot of it**.

- 6TB transactional database
- 420GB of analytic data streamed every month

Procore's clients have **no access** to this data!

Without access, this valuable information that could help drive important decisions is **wasted.**

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Why do clients want the data?
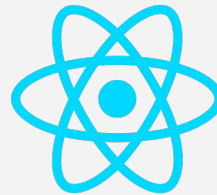
Clients could **answer questions** such as:

- Which construction project has the most users?
- Which Procore tools are used the most?
- Which platform is most popular?
- And more...

Our Solution!

A webpage that allows clients to **build their own** charts and graphs out of Procore's data. Put the power in the hands of the client!

Technologies

- Postgres (Database)
- Apache Superset
  - Python-Flask App Builder
  - Javascript-React / Redux

Demo Videos

Showing a **default dashboard** that answers these common questions

- Which construction project has the most users?
- Which Procore tools are used the most?
- Which platform is most popular?

Adding a new chart to Dashboard

Who are the **top 10** users using Procore?

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Future Goals

- Web Hosting: Heroku

  - Put this in front of real clients to get feedback

- Live Data Processing: AWS Kinesis / Lambda

- More Superset Functionality

  - Dashboard-level chart controllers

  - More readability (more english, less SQL)

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Any questions?

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