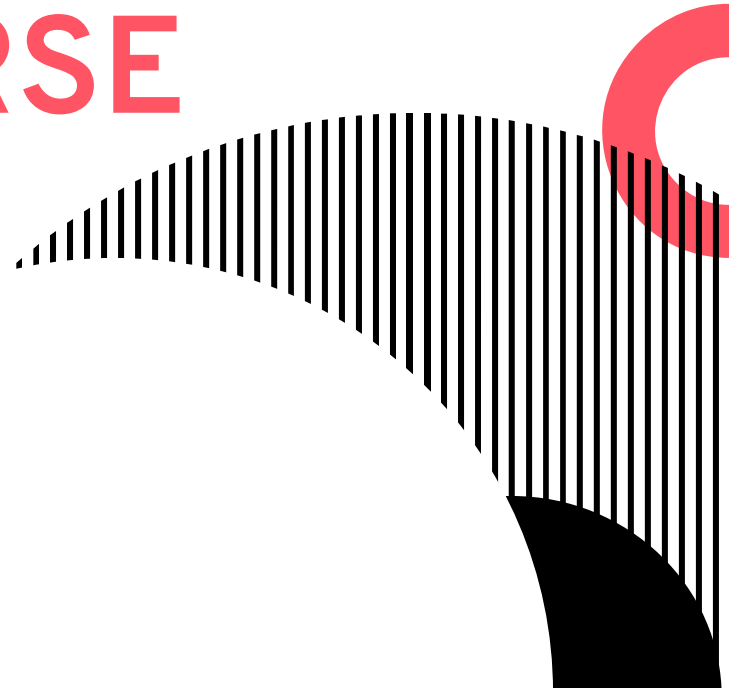


# Becoming a self-employed RSE

Teri Forey





# TALK AGENDA

**01** **The Story so far**  
Accidentally becoming  
self-employed

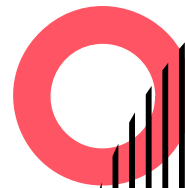
**02** **Lessons Learnt**  
What not to do

**03** **Wellcome Trust**  
Working at Data Labs

**04** **Web Development**  
Languages and  
Frameworks

01

# THE STORY SO FAR





**2010**

Phd in Computational  
Biology

**2014**

Postdoc in  
Bioinformatics

**2018**

RSE at University of  
Leicester

**2019**

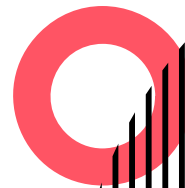
Started Teri Apps


**2020**

Moved to Ireland  
Joined Wellcome Trust

02

# LESSONS LEARNT





**It's easier  
than you  
think**



**Spend wisely**

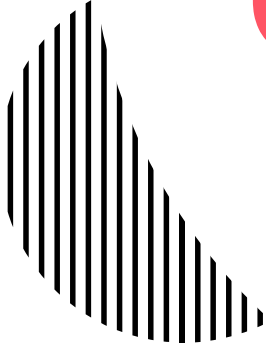




**Don't work for  
friends or  
family**



# Make Connections

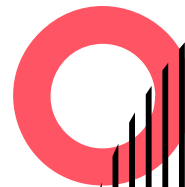


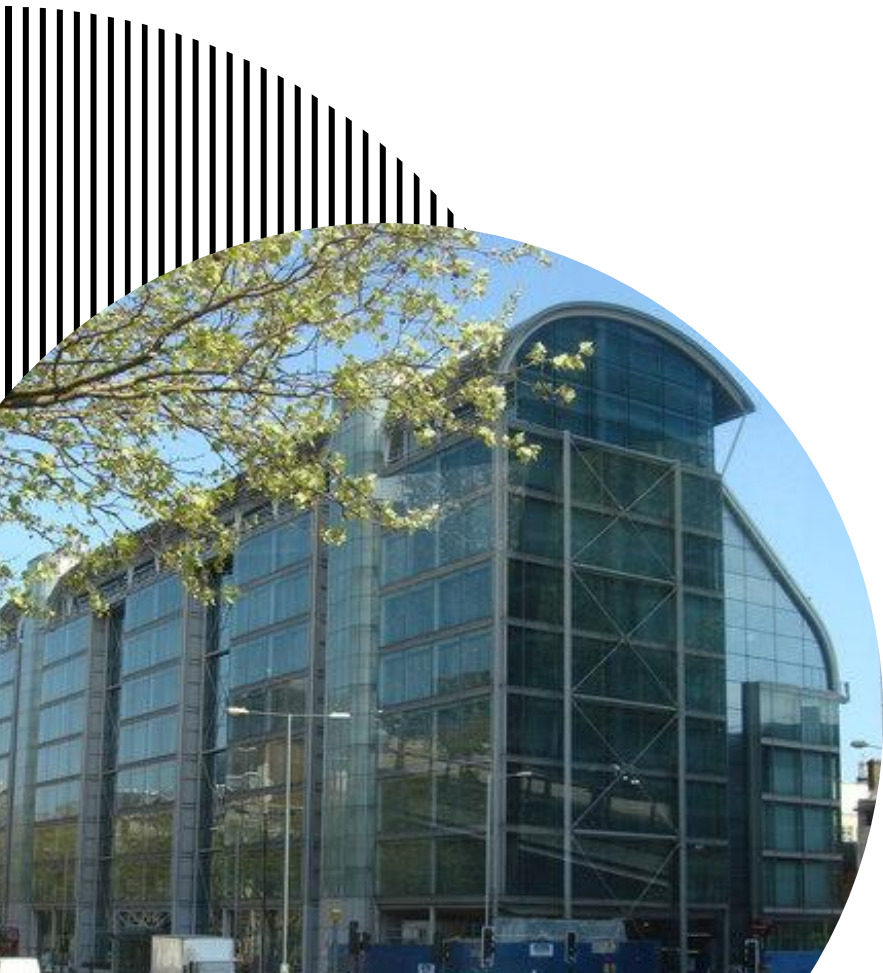


**Be disciplined**

03

# WELCOME TRUST





# WELLCOME TRUST DATA LABS

Working with the Research on  
Research Institute (RoRI)

# RORI DATA SHARING PLATFORM

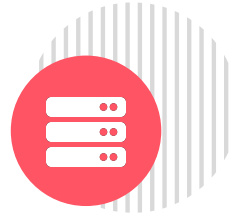
## COMPONENTS



### **DATABASE**

PostgreSQL

SQLite



### **BACKEND**

Python Tornado

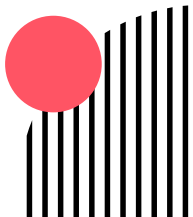
Rust Actix-web



### **FRONTEND**

Lit-html

Web components



04

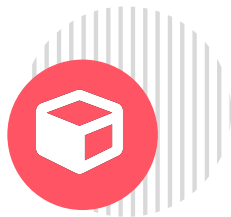
WEB

DEVELOPMENT



# WEB DEVELOPMENT

## WHAT'S CHANGED?



### PREVIOUSLY

HTML Templating

Only a little javascript, mostly  
jQuery

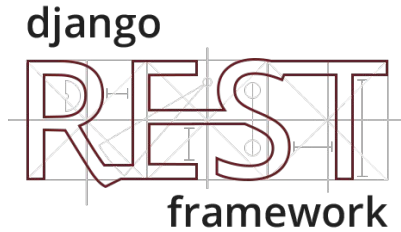


### NOW

Separated front and  
backends

Javascript heavy

# BACKEND FRAMEWORKS



Batteries included.

More features than  
necessary.



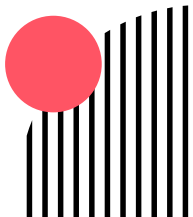
Async and scalable.

More boilerplate.

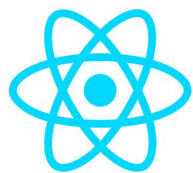


Quick to set up.

Similar to Flask.



# FRONTEND FRAMEWORKS



React



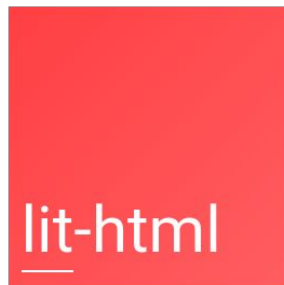
Vue.js



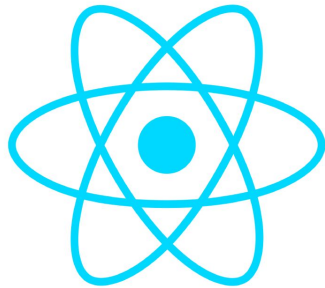
ANGULAR



WEB COMPONENTS



# MOBILE FRAMEWORKS



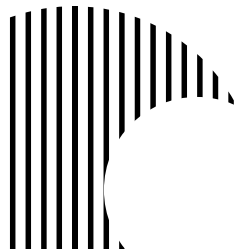
React Native

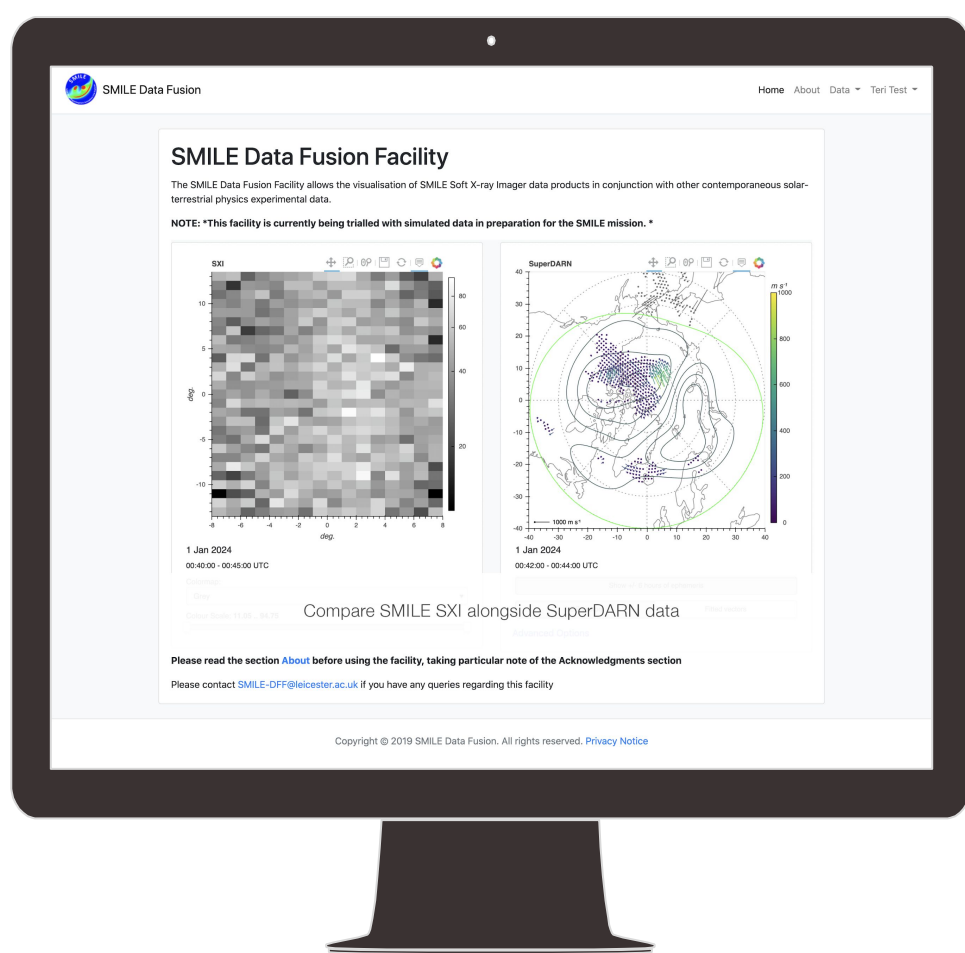
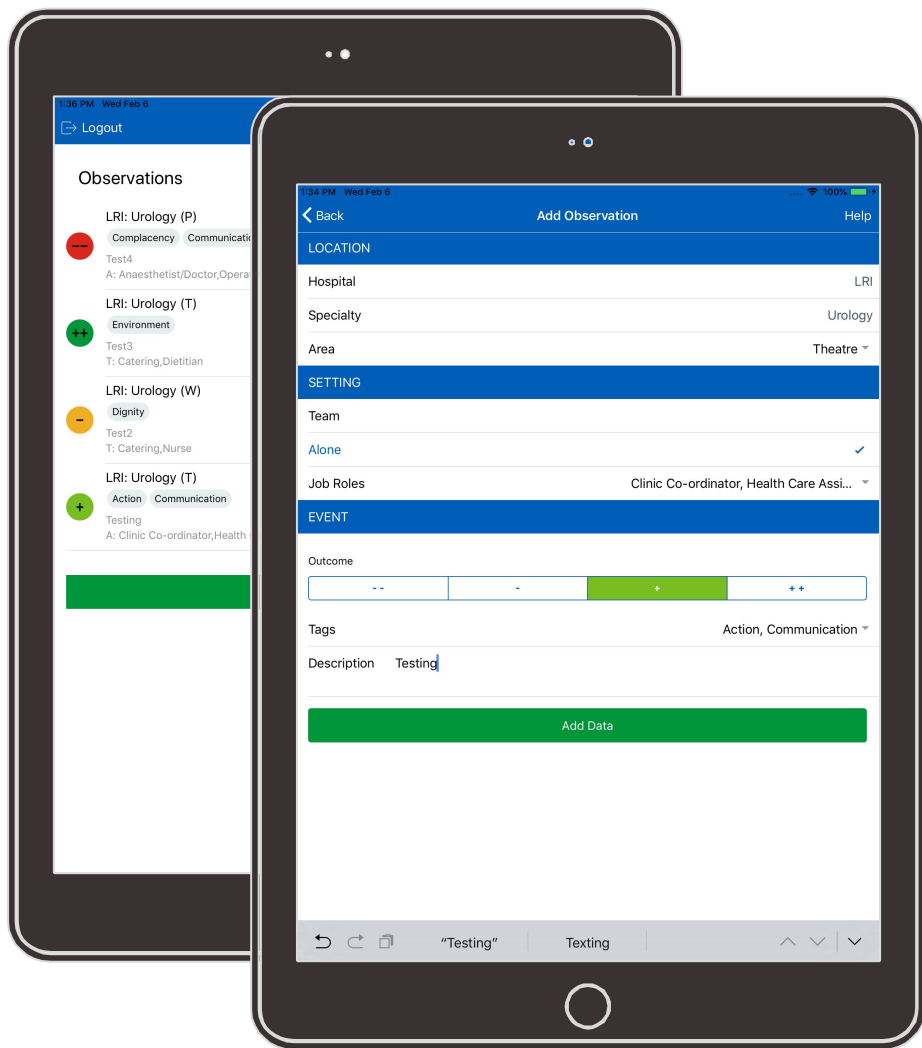
Steeper learning curve.



ionic

Web development





# THANKS

Does anyone have any questions?

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teri@teri-apps.com  
@BioTeri



CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik

