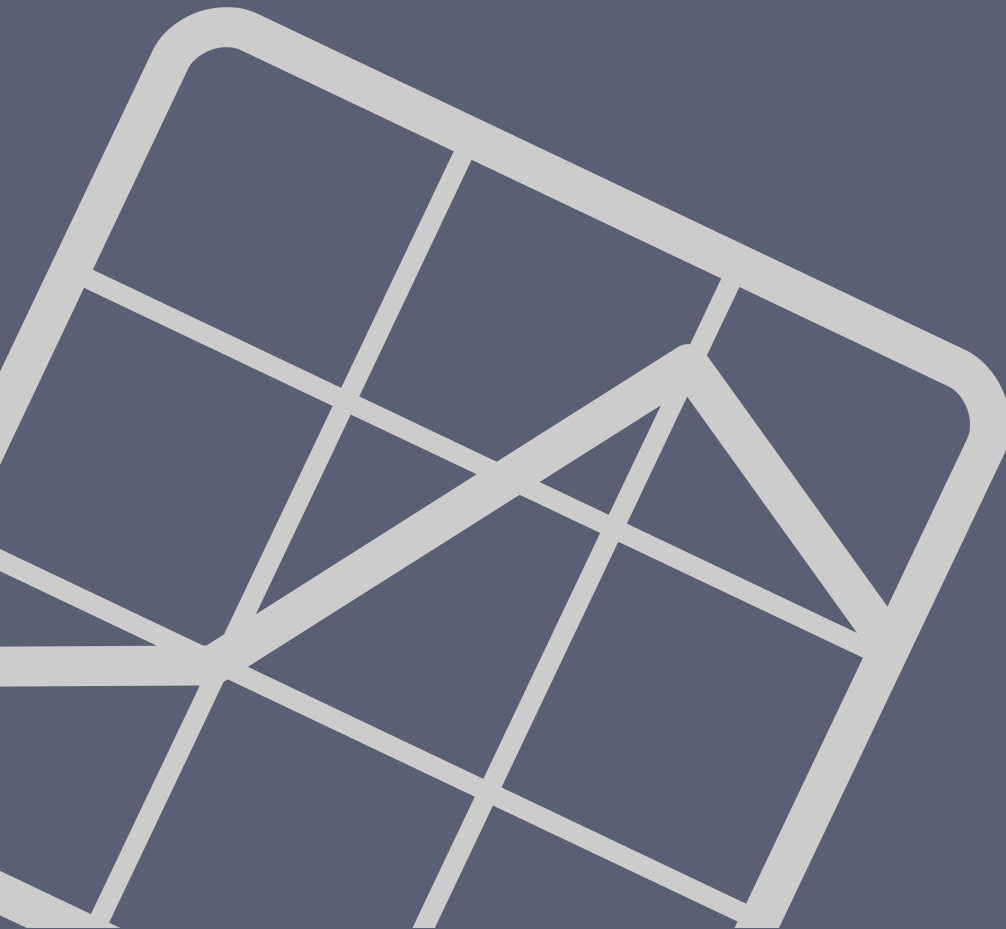


# Madagascar IEES Technical Training

Jonathan Berry



# Introductions

## Dr Jonathan S Berry

BSc in Computer Science and Physics

PhD in Human-Computer interaction

Three years in public health technology

Director and Chief Operating Officer

Jordan Project Technical Manager

Fjelltopp Ltd





**Fjelltopp** ...a not-for-profit organisation.

**Fjelltopp**  
(pron. Fi-ell-topp)  
A mountain top.







**Fjelltopp** ...a not-for-profit organisation.

Support  
Innovation  
Sustainability



# Training Overview

## Day 1: Servers and Infrastructure

Linux – Docker – System Architecture

## Day 2: Programming and software

Git – Python – Javascript – Web Programming

## Day 3: Databases and the MoH Data Collection Server

PostgreSQL – Web Servers – ODK – Meerkat Nest



# Aims and Objectives

Inspire and motivate

Bridge the gap between developer and client

Transfer system ownership

What do you want from this training?



# Principles of training

- Doing is better than listening.
- Slow is better than fast.
- Resources should be freely available.
- Teach the “real-deal”.
- Focus on end goals.



# Pre-test / Post-test

QUESTIONS

RESPONSES 1

## IEES Training Evaluation Test

This same questionnaire will be submitted by all participants both before and after the IEES training. Answer each question to the best of your knowledge. If you do not know the answer then guess.

Email address \*

Valid email address

This form is collecting email addresses. [Change settings](#)

Name \*

Short-answer text

### Day 1: Infrastructure and server management

The first day of training will focus on the IEES server infrastructure. By the end of the day we hope to have installed the Meerkat Code on our own Linux servers using Docker.

Which five of the following technologies are used in the IEES system? \*

- ☐ Amazon Web Services
- ☐ Windows
- ☐ MySQL
- ☐ Python
- ☐ C#

If you don't know – make a GUESS!





# Let's get on with it...

**Software**DataScience  
**Research**ITConsulting  
**Public**HealthTech

