

# BRUCE MCCLURE



## FULL STACK DEVELOPER

- JavaScript MERN (Mongo, Express, React, Node) -Ruby-on-Rails -HTML5 CSS3 - Git, Github
- Excellent interpersonal skills -AWS

### Professional Profile

A detail-oriented, motivated Software Developer with just getting into industry. I have a broad background in science and I am thoroughly enjoying learning new technologies everyday. A Fullstack developer would be my ideal role because seeing each step of a project being built is extremely fulfilling.

### Technical Skills

- |              |                 |          |
|--------------|-----------------|----------|
| - JavaScript | - Ruby on Rails | - AWS    |
| - MongoDB    | - HTML5         | -Heroku  |
| - Express Js | - CSS3          | - Git,   |
| - React Js   | - Python        | - Github |
| - Node Js    |                 |          |

### Academic Background

#### Diploma of Information Technology

Coder Academy (Australian Institute of technology)

- Attended in 2019
- Comprehensive and immersive web development course
- HTML5, CSS3
- Ruby on Rails
- JavaScript (Mongo, Express, React, Node)

#### Postgraduate Diploma in Education

University of South Africa

- Attended from 2017 to 2018
- Specialised in physical and life science education

#### Bachelor of Science (hons)

Rhodes University

- Attended for year of 2013
- Specialised in food security via aquaculture

- Thesis conducted on natural feed on the growth rate of abalone

## **Bachelor of Science**

Rhodes University

- Attended from 2009 to 2012
- Triple majored Ichthyology, Zoology and Human Kinetics and Ergonomics

## **Career History**

### **Secondary School teacher**

Kearsney College | 2 years Jan 2017 - Dec 2018

- Develop lesson plans
- Deputy House Master
- Dale Carnegie facilitator
- Chairman, Provincial Water-polo
- Sports coach, rugby, water-polo, soccer
- Attends faculty and parent conferences
- Communicates with parents

### **Research assistant**

SAIAB | 2 years Jan 2015 - Dec 2018

- South African Institute for Aquatic Biodiversity
- Genetic lab research assistant
- Sample collection and curation
- Sample processing and PCR
- Data analysis

## **Projects**

### **Dev Fines**

- A tracking app for your team development sins (e.g. merging broken code)
- For social useage post the push to production
- Full stack MERN app

### **Ubuntu-Education**

- Full stack JavaScript app.
- A free web app to bring STEM education to Africa.
- As a scientist and an educator from South Africa I have seen first hand how much the STEM fields are needed in rural communities.
- The first phase of this project will focus on grade 8 and grade 9 physical and biological sciences.

### **Vinyl Countdown**

Fully functional 2 way marketplace for vinyl

- <https://vinyl-countdown.herokuapp.com/>
- Ruby-on-Rails web app
- e-commerce, internal messaging system, full search capabilities, authorisation, Amazon S3.

### **Portfolio**

- Static HTML site
- This is a web-page to serve as an online resume/cv
- It is accessible via the QR code on the previous page or via this link  
<https://brucemcclure.github.io/>

### **Roulette**

- Vanilla Ruby project
- This was my first endeavour in coding
- A simulated roulette game in the terminal with features to protect the users health and safety.
- <https://github.com/brucemcclure/Roulette>

### **Interests:**

- Everything tech related. Everything from learning new languages, task automation to DIY E-Bikes.
- All things sport related including playing, spectating and coaching. (Rugby, Cricket and Water-polo)
- Exploring Australia as much as possible.
- Travelling

### **Contact Details:**

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### **References**

- Peter Kirsten
- Deputy headmaster
- [pkirsten@kearsney.com](mailto:pkirsten@kearsney.com)