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# CURRICULUM VITAE

## Brian Cole

### Software Engineer

5 Paley Street

Triangle

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### Professional Summary

Self-motivated Web and Mobile Developer with 6 years of experience working on multiple projects. Passionate and hardworking with a penchant for meeting deadlines. Interested in roles indulging best practices and offering diverse customer projects.

### Skills

- HTML/HTML5, CSS/CSS3, Bootstrap4, SASS
- JavaScript
- ReactJS, Vue
- NodeJS, JAVA, Express, AJAX, JSON, Android
- Redux, React Hooks, React Styled Components
- Github, GitLab
- Google analytics
- Agile Methodologies, JIRA
- WebPack, NPM, Gradle, Maven
- Firebase, MongoDB, SQL, SQLite
- Visual Studio, Android Studio, Web Storm, Eclipse, Netbeans
- Windows, macOS

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## Expertise

Backend Development, Problem Interpretation, Data Structures and Algorithms, Designing algorithms, Coding from the ground up, JSON Data Transportation, Native & Third-party REST APIs, Test-Driven Development, Object-Oriented Programming, UX & UI Development, Debugging, Requirements Implementation, Responsive Web Development, Problem solving.

## Work Experience

### **Chief React JS Developer** - *Astro Mobile Africa*

January 2020 - June 2021

<https://eshagi.com>

- Develop high performance customer facing fintech application (EShagi) using ReactJS, Redux, React Hooks, React-Router, JavaScript, CSS3, React Styled Components.
- Built custom components for UX-Library consisting of Accordion, Filters, Dropdown, Carousel, Buttons, Checkbox, Input, Icons.
- Developed a custom API layer to handle all CRUD transactions.
- Maintained high-level expertise in React state management strategies, including Redux.
- Exclusively used React Hooks to handle application life-cycle processes.
- Worked closely with clients to establish specifications and system designs.
- Effective use of native HTML elements and custom tags to enhance SEO.
- Implemented CSS Box Model and React STyled Components and effectively used custom grid systems, grid-area concepts and flexbox for a fluid and responsible application.
- Usage of GitLab for version control and tracking units.
- Worked in Agile Methodologies for incremental development to deliver a better application.

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- To date the platform has processed over \$7 million USD in borrowing and has made a net profit of over \$1 million USD.

### **Senior React JS Developer - Astro Mobile Africa**

October 2016 - January 2020

- Worked with advanced web development technologies like React JS, Node, Express, MongoDB, MySQL, JavaScript, CSS3, HTML5.
- Validated customer interface requirements and assessed impact of needs on available systems.
- Created a welcome tour for the EShagi.com web app using ReactJoyride which helps new users learn more about the app.
- Took ownership of the app, used Jira tool for requirement gathering, GitHub and GitLab as version control systems.
- Updated versions of React and React Router.
- Added hooks in the project and moved some class-based components to functional components.

## **Projects Developed**

### **Lancet Laboratories App - App Developer, Contract**

August 2018 - October 2018

I was tasked to develop an Android application for Lancet Laboratories which will be used by patients, doctors and Lancet Labs Stuff. The app contained confidential information from patients so security was a priority and I developed it following all the security protocols of the Android ecosystem.

<https://play.google.com/store/apps/details?id=com.kmab.lancet.zimbabwe>

- Designing the UI & UX algorithms.
- Developing the app for 3 different entities with information being synchronized simultaneously among these 3 different groups of users.
- Developing a 3-tier security system to minimise the risk of a security breach which would compromise confidential information between doctors and patients.

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- Developing algorithms to integrate with Google Cloud for management of app traffic, storage and back-end server communications.

## **Tongaat Hulett Zim Country Club Food Ordering System -**

*Developer*

Completed in December 2018

- The system is an android app which will be used to order meals from the TCC.
- It is not limited to ordering meals but can also be used to order small items like refreshments.
- The system can be used to order from home or within the TCC premises.
- The application has become a sensation within the golfers community and sponsors as they find it handy to order meals and drinks whilst they are still on the golf course or before they check-in.
- The system will use an auto response system which will alert waiters about your placed order in real time.

## **MyEvents - Personal Project**

June 2014 - present

The project is set to be the social media for event advertising and a reliable ticketing system for event organisers and attendees. Plans are in place to allow users to keep their memories of events and share with the network.

<https://play.google.com/store/apps/details?id=tech.myevents.app>

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- Designing the UI & UX algorithms.
  - Individual tailored notifications of upcoming events and adverts depending on geographical location of the user.
  - Developing algorithms to integrate with Google Cloud for management of app traffic, storage and back-end server communications.
  - Using mobile money as a form of payment and designing a system that automatically keeps records(extracting confirmation messages).
  - Ticketing system that organises tickets for every event. Ticket signing can also be done offline.

#### **PrEP Education App - *Co-developer***

September 2018

- Developing an auto responses chat platform that will enable users to interact with the app asking a wide range of questions and getting immediate responses..
- Designing the app to be multilingual
- We're currently in the process of designing an Artificial Intelligence algorithm that will allow users to chat with the app and get corresponding answers.
- The AI will also feature a booking system which will make appointments on behalf of the users and alert them when bookings are confirmed.

### **On Publications**

**Published by Techzim:** Now you don't have to be left out on events happening in your area...

<https://www.google.com/amp/www.techzim.co.zw/2017/06/my-events-app-now-you-dont-have-to-be-left-out-on-events-in-your-area/amp/?espv=1>

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## Portfolio Link

<https://drive.google.com/drive/folders/1E8aXk73fK6yNTFr9QUSYCSyipX3Se2QG?usp=sharing>