# George Constantine

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## Education

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|---|---|
| **Sheffield Hallam University** | 2015 - 2018 |
| **BSc Computer Information and Security** | **Grade:** 2:1 |

## Employment

**ClubBuzz**            **Software Developer & Director**            March 2020 – Present

*ClubBuzz is an all-in-one sports management platform, allowing clubs to manage their members, process payments and handle match selection. My role was a solo developer, responsible for the full development life cycle of many projects.*

- Developed an iOS app in **SwiftUI**, with **Python** backend to increase user engagement.
- Responsible for resolving user-reported bugs on both the web and mobile platforms and communicating back with the users
- Rebuilt all the core ClubBuzz web features into a WordPress **PHP** plugin, to allow for easier maintenance and future scaling
- Developed a command line database migration tool, to aid the process of migrating customers to the upgraded platform, built with **Python**.
- Built an instant messaging service for all ClubBuzz members, using **VueJS** as the front end and **NodeJS**/**ExpressJS** as the back end. All chat data was stored in a **Firebase** – Cloud Firestore.
- Built a payment system in **Python**, using the **Flask** framework. Uses the Stripe SDK to create checkout sessions and payment intents.

**O2**            **Graduate Network Engineer**            September 2018 – March 2020

*My primary role was on the SMS/messaging team which acted as $2^{nd}$ Line support for all customer faults related to messaging and voicemail*

- Responsible for finding the root cause of customer faults and providing a resolution. Communicated with the customer care team to aid investigations
- Interacted directly with $3^{rd}$ party vendors on projects related to maintenance and upgrading existing infrastructure.
- Developed a utility tool in **Python** to process raw data into a CSV format which was used for SMS success rate monitoring.

**Match Home**            **Company Director**            January 2017 – July 2018

*Co-founded Match Home Network Ltd - A dedicated live-streaming service*

- Instrumental for creating a relationship between Match Home and England Hockey.
- Developed the front end of the website through **WordPress** and integrated our video streaming engine through **AWS**.

## Projects

*Note This*

- A Google Keep clone developed using **React**, using **Redux** as the state management container.
- User notes, stored in a Firebase – Cloud Firestore. Used the JavaScript Firebase SDK to get and set data.

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- A **React**-based web app, that allows the user to connect their Strava account, to showcase and generate new titles of their recent activities.
- Uses a **NodeJS** backend, built with the **ExpressJS** framework to send requests to the Strava API to connect the user's account. It also interacts with the OpenAI API, to use its text completion tools to generate titles based on activity-specific parameters
- Created a **MongoDB,** which is used to store the user access tokens, collected from the Strava API.

## Skills

**Languages:** Javascript/HTML/CSS, Python, Swift/SwiftUI, PHP, SQL.
**Frameworks/Libraries:** React, VueJS, NodeJS, Sass, Flask.
**Tools:** Git, Linux, Firebase, AWS (EC2, S3), WordPress, Stripe