

# ABDULKARIM MARGAI WANGARA

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Experienced web and mobile applications developer with a passion for learning more about everything. I have had a vast interest in computers and technology since I was young and my interest peaked the first time I was able to display “I am using PHP” on my web browser by writing commands in PHP. I would like to leave a positive legacy, something that will positively impact the world and make it a better place for those that will come after me.

## EXPERIENCE

### CHURCH AND SERMONS, (<https://churchandsermons.com>)

Church and Sermons is an online platform that provides users the ability to view, create, update and delete religious organisations. In addition, the user can add sermons, resources (video, audio, documents) and profiles related to an organisation created

### YAY MOVIES, (<https://yaymovies.margaiwangara.me>)

My initial React.js project where I consumed the TMDb (The Movie Database) REST API with React.js and displayed the data tab-wise. Front-end design using CSS Flexbox and Grid for responsiveness.

### NODEJS REST API, (<https://nodejsrestapi.margaiwangara.me>)

Since I write most of my back-end projects in Express.js, I created a boilerplate/mini-framework to help me create projects faster. This boilerplate contains auth and role handling middleware, image upload, email sending and custom error handling functionalities. Uses the MVC structure.

### 24/7, (<https://twentyfourseven.margaiwangara.me>)

In this project, I consumed the TMDb (The Movie Database) REST API using Express.js and made GraphQL endpoints using the data I acquired. With this data, I consumed the GraphQL endpoint using React.js and Apollo. The front-end design was implemented using CSS Grid and Flexbox.

### DEVNEWSBUCKET API, (<https://devnewsbucket.margaiwangara.me>)

In this project, I created a REST API by scraping data from the Laravel News website and storing the data acquired in a MongoDB. It also utilizes authentication and role middleware to prevent unauthorized operations such as updating, creating or deleting articles.

### FOTOBUCKET, (<https://fotobucket.margaiwangara.me>)

Landing page design concept for a photographer's website created to improve my initial CSS Flexbox skills. Utilizes Montserrat font from Google Fonts and images from Unsplash.

### BASMATI RICE, (<https://basmatirice.margaiwangara.me>)

This project represents a landing page concept design for a rice selling company. Utilizes CSS Flexbox for the design. Assets include Montserrat font from Google Fonts and images from Unsplash.

### **REACT FIREBASE CHATROOM, (<https://react-chatroom.netlify.com>)**

Created with React.js and Firebase, this project requires the user to create an account then once the account is available the user can then join a chatroom. I utilized firebase's realtime database to display the messages in real time. The front-end uses bootswatch materia theme.

### **RENT A MOVIE, (<https://github.com/margaiwangara/RentAMovie-Asp.Net-MVC-5>)**

'Rent A Movie' is a web application developed using ASP.Net MVC framework. This application provides a platform for the user to rent and return a movie from a rental store. It also provides online rental capabilities with a dropdown suggestions search option fetching data from The Movie Database (TMDb) API. Utilizes authorization and authentication and has a REST API for authorized parties to consume.

## **EDUCATION**

### **JANUARY 2013**

#### **WEB AND MOBILE APPS DEVELOPMENT, EMOBILIS TECHNOLOGY ACADEMY**

Acquired a certificate in website and mobile applications development. Mainly focused on website development with **PHP**, **HTML**, **CSS** and **JavaScript** and created apps for Nokia Touchscreen devices in **Java 2 Platform Micro Edition (J2ME)**.

### **MAY 2013**

#### **INFORMATION TECHNOLOGY, TECHNICAL UNIVERSITY OF KENYA**

Studied for two years and then dropped out after getting a scholarship to study Information Systems Engineering in Turkey. Acquired skills in C and C++ programming languages.

### **SEPTEMBER 2016**

#### **INFORMATION SYSTEMS ENGINEERING, SAKARYA UNIVERSITY**

Continuing my studies in Information Systems engineering. Acquired system development and programming skills.

### **JULY 2018**

#### **BOOTSTRAP 4 FROM SCRATCH WITH 5 PROJECTS, UDEMY**

Created projects in **Bootstrap**, the **CSS** framework. Following a step by step tutorial, I learnt how to create awesome responsive front-end designs using **Bootstrap**. Acquired skills in layout designs using grids and flexbox.

### **DECEMBER 2018**

#### **REACT FRONT TO BACK, UDEMY**

Learnt the basic ins and outs of **React.js** a front-end **JavaScript** framework. By the end of the course I managed to create some projects in **React.js** and also ended up creating my 'YayMovies' simple site using **React.js**.

### **JANUARY 2019**

#### **PYTHON DJANGO DEV TO DEPLOYMENT, UDEMY**

Learnt Django by following a step by step tutorial by Brad Traversy on creating a real estate web application. Acquired basics on the **Python** programming language and **Django** framework.

JUNE 2019

## MERN STACK FRONT TO BACK, UDEMY

Acquired skills on the MERN stack which involved creating a RESTful web application using React.js on the front-end, Node.js' Express framework on the back-end and MongoDB as the database.

## SKILLS

- Front-End Web Development using HTML, CSS, JavaScript
- Back-End Web Development using PHP, Node.js, Python, ASP.Net
- Database Administration mainly with SQL and NoSQL Databases
- Mobile Apps Development in React Native and Flutter.
- Desktop Apps Development with C#, C++ and C

## ACTIVITIES

Fluent in English and Swahili and can converse in Turkish. I believe in fairness and equality that is why I would like to give back to society by being part of the solution and leaving a legacy, a positive mark that I can and future generation can be proud of.