

# Clayton Roberts

## Full Stack Developer

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## Technologies

### Languages

Javascript, CSS (Styled Components, Bootstrap, SASS), HTML, Typescript, C#, Java, Python

### Frameworks, Libraries, Tools, etc.

React, Node.js, Redux, Express, MongoDB, Rest API, Web APIs, Cloud Services (Firebase, Heroku, AWS), NoSQL, JSON, DOM, Puppeteer, Selenium, Git (Github, Azure, Bitbucket), Project Management (LEAN, Trello), Development Cycle, Wireframing, Prototyping, VSCode, Visual Studio

## Education

**Computer Science** B.S. | 4.0  
Central Methodist University  
Fayette, Missouri

**Education (TESL)** M.Ed. | 4.0  
Framingham State University  
Framingham, Massachusetts

**International Relations** M.A. | 3.7  
Seoul National University  
Seoul, South Korea

**German Language & International Studies** B.A. | 3.5  
University of Missouri  
Columbia, Missouri

## About

**Superpowers** Empathy, Persistence

**Languages** German, Korean

**Travel** Europe, Asia

**Hobbies** Jogging, Biking, Boating

## Profile

I am a full-stack software developer with a passion for building web applications. Prior to programming, I worked as an ESL educator (PK-12 and tertiary) and strove to broadly increase efficiency in my schools' systems through technology. I love working on a team, and coordinating with stakeholders to identify requirements and create apps that empower others. I am a lifelong learner, and constantly work to improve my own abilities so that I can better serve others.

## Experience

### Full-stack Developer (React.js)

DYB Education Group (remote) | 01/2019 - Present

- Helped oversee entire development life cycles, culminating in CI/CD.
- Followed LEAN Startup principles to define, steer, and accelerate projects.
- Developed full-stack of a Read Aloud educational application for English Language Learners and their teachers; used React, CSS, Firebase, NoSQL, Media Capture and Streams API.
- Built a single-page React app simulating Magic 8 Ball for ESL classrooms.

### Backend Developer (Node.js)

Woopaa.com (remote) | 05/2018 - 12/2018

- Backend development at Woopaa, an e-commerce product aggregator start-up.
- Built an internal RESTful API with Node.JS, providing refined data to users.
- Consumed product data via Ebay, Walmart, and Alibaba APIs.
- Built a web scraper using Puppeteer for gathering product data from Korean e-commerce sites: Auction, Coupang, Gmarket, and 11st.

### Other Projects

- Built a web scraper in Python using Selenium and Beautiful Soup to monitor cryptocurrency prices on several exchanges, with automated login & navigation.
- CLI Python Projects: Magic 8 Ball, 99 bottles of beer text generator, Coin Weight Value Estimator, Change Calculator, Mad Libs Story Generator, Pythagorean Triples Checker.
- .Net (Visual Studio) / C# School Projects: File Saver, Writable Employee Database with GUI, Shape Generator, Paint App, Clock App, Movie Database with GUI, Various Math Apps.
- Netbeans / Java School Projects: Calculator with GUI, Paint App, Clock App, Paper-Rock-Scissors Game, Currency Converter App, Battleship Game.
- Built Ethereum cryptocurrency rigs for mining from 2017-2019.
- Non-technical project management of an ESL Writing App (2011) and an ESL Vocabulary Testing App (2015).

### Pre-Developer Work

- Assistant Professor, Hansei University (South Korea) | 2013-2018
- Founder (of a study abroad start-up), Ergo International (Missouri) | 2009-2012