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# CHUKWUEMEKA EZEKWEM

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- [cezekwe1.github.io](https://cezekwe1.github.io)
  - [github.com/Cezekwe1](https://github.com/Cezekwe1)
  - <https://www.linkedin.com/in/chukwuemeka-ezekwem-71b731136/>
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## PROJECTS

ChukaChat | React, Redux, MongoDB, Mongoose, socket.io, simple-peer.js [LIVE](#) | [GITHUB](#)

*A Video Chat and real time messaging application.*

- Authentication using JSON web tokens and BCrypt
- Real time messaging built with socket.io
- Video Chat built with simple-peer.js a wrapper of WebRTC API
- Frontend built with React Redux architecture
- Backend built with MongoDB database Mongoose ODM and Express.js as the server

ChukaFlix | Javascript, Rails, PostgreSQL, React [LIVE](#) | [GITHUB](#)

*A video-streaming service inspired by Netflix. API by rails, front-end by React and Javascript.*

- Authenticated using password digests encrypted using BCrypt
- Personalized using profile model used in netflix. Up-to 5 profiles per account
- Front-end dynamically created by serving JSON views to React components
- Minimal-use of AJAX querying by pre-loading information for every page

ChukaJump | Javascript, Canvas [LIVE](#) | [GITHUB](#)

*An addictive Javascript side-scroller game.*

- Written in Javascript, drawn on-to the browser using HTML5 Canvas
- Collision detection achieved using a distance algorithm based on character and obstacle x and y position

E-DOM | Javascript [LIVE](#) | [GITHUB](#)

*lightweight Javascript library based on JQuery.*

- Allows for the transversal, appending and deletion of HTML elements based on DOM

DetentionFun | Java, libgdx, Android [DOWNLOAD](#)

*An addictive single screen java game app for android.*

- Uses libgdx library for rectangle collision as well as libgdx timer to trigger events

BrodyJump | Java, libgdx, Android [DOWNLOAD](#)

*An addictive side-scroller java game app for android. Inspired by flappy bird*

- Uses float vector physics in order to mimic the movement of flappy bird

Ninvade | Java, libgdx, Android [DOWNLOAD](#)

*An addictive single screen java game app for android.*

- Uses libgdx library for rectangle collision as well as libgdx timer to trigger events
  - Features power-ups based on timer and points
  - Local highscore provided by libgdx library, and In-app purchasing provided by libgdx interfacing as well as Android google play libraries
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## SKILLS

React | Redux | JavaScript | jQuery | Rails | Ruby | Python | SQL | HTML | CSS | Heroku | Java | Git | AWS

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## WORK HISTORY

GENISYSTEMS / HPTP DESIGN LLC

*Software Engineer | Bronx, NY | August 2017 - Current*

- Work Collaboratively with Senior Engineer
- Added Features for clients websites

- Work with React and Angular javascript frameworks

## MAPFIT

*Software Engineer / New York, NY / November 2017 - October 2018*

Mapfit corrects geospatial datasets. Mapfit's creates the most accurate mapping data on the planet by correcting and updating data more often and more efficiently than any other company in the world.

### Role:

- Worked together with other engineers to update and maintain code in the javascript frontend libraries. Used es6 and es5 style syntax. For example, I built the 3D building extrusion feature in the latest Javascript library. I implemented easing functions for smoother animations when manipulation Mapfit maps
- Worked on the Mapfit angular site. Used Angular 4 typescript , template rendering and data binding. Used Sass and CSS3 for styling
- Built demo tools Using Html CSS Javascript and Angular. Demos centered around demonstrating highly accurate map data. For example I built a navigation and geocode API comparison demo between Mapfit, Google Mapbox and Here. I used each company's respective APIs and displayed the results using polylines for the navigation routes and location markers to displayed geocoded locations
- Operated in two week sprint agile system and effectively collaborated with co-workers using GitHub as the versioning tool. Tested Using Jasmine and Karma

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## EDUCATION

BACHELOR OF SCIENCE Biochemistry

Binghamton University

*Vestal, NY / 2016*