
CHUKWUEMEKA EZEKWEM

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PROJECTS

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 | SQL | HTML | CSS | Heroku | Java | Git | AWS

WORK HISTORY

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.

GENISYSTEMS / HPTP DESIGN LLC

Software Engineer / Bronx , NY / August 2017 - December 2017

- Collaborated with product management to design, build and test systems.
- Developed code fixes and enhancements for inclusion in future code releases and patches.
- Oversaw major new enhancements to existing software systems.

EDUCATION

BACHELOR OF SCIENCE Biochemistry

Binghamton University

Vestal, NY / 2016