

KENNY LOZEAU

Full-Stack Software Engineer

386-212-0156

kenny.lozeau@gmail.com

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

[AngelList](#)

New York, NY

TECHNICAL SKILLS

React.js, Redux, JavaScript, Ruby, Ruby on Rails, Node.js, Express.js, PostgreSQL, Python, MongoDB, Mongoose, Git, Firebase, jQuery, HTML 5, CSS 3, AWS, Heroku, Google Maps API, Webpack, RSpec, Test-Driven Development

PROJECTS

Campster | *(React/Redux, Ruby on Rails 5, PostgreSQL)*

[live](#) | [github](#)

A single-page full-stack clone of Hipcamp, allowing users to browse, search for, and book campsites

- Implemented custom user authentication on both the frontend and backend, cleanly and temporarily rendering any authentication errors to maintain a lightweight, modern user experience
- Developed a flexible search bar utilizing Google Geocoder API integrated with Google Maps API to render campsite search results dynamically-filtered by location to allow users to explore nearby campsites on a map
- Created a novel method for handling invalid reservation date submissions through the integration of original logic and Airbnb's react-dates datepicker library, curating a seamless booking workflow

Invasion! | *(JavaScript, HTML Canvas, Firebase)*

[live](#) | [github](#)

An original arcade-style JavaScript game rendered with HTML Canvas in which players pilot a flying saucer with the goal of collecting specimens from Earth while actively avoiding guided missiles

- Designed all graphics rendering with dynamic frame-rate using HTML Canvas in order to ensure smooth gameplay as the speed of the animations increase with each level
- Built custom collision detection capable of changing behavior depending on gameplay, which allows players to interact with objects in complex ways, such as throwing and catching for bonus points

plantr | *(MongoDB/Mongoose, Express.js, React/Redux, Node.js)*

[live](#) | [github](#)

A MERN stack team project allowing users to create email reminders for taking care of their houseplants

- Partnered with backend lead to create and integrate bespoke frontend user authentication, ensuring data encryption using JSON Web Tokens
- Devised and incorporated an email-based notification system as the basis of the plantr app, utilizing SendGrid as an email server with Node Schedule to handle future notifications
- Administered all aspects of production deployment using Heroku, including managing use of all third-party API keys, ensuring plantr's server remains online with constant up-time

EXPERIENCE

Software Engineer | *Freelance*

Sept 2019 - present

- BrewSoft - Beer mash simulation for taking the brain-breaking work out of brewing | *(Ruby on Rails, React, PostgreSQL)*
 - Currently creating algorithms for multi-dimensional interpolation of latest research data

Technology/Merchandising Manager (Visuals Specialist) | *Apple, Inc.*

Sept 2011 - Aug 2019

- Strategized and oversaw every product launch at Apple's West 14th flagship, maintaining a perfect on-time record
- Prototyped an inventory-tracking application using FileMaker Pro to streamline the process of ordering store-critical supplies while minimizing wasteful spending by integrating documentation into the user interface

Aeronautical/Thermodynamic Engineer | *Pratt & Whitney - United Technologies Corporation*

Apr 2008 - Jan 2009

- Planned, supervised, and analyzed all engine systems operability flight tests for the Next-Generation Product Family Geared Turbofan engine, reducing the number of necessary test flights by 18% over previous programs
- Wrote engine trim configurations to ensure optimal engine performance and reduce risk of engine damage in the event of a test failure

Guidance, Navigation, and Controls Systems Engineer | *Lockheed Martin, Missiles & Fire Control*

Jan 2007 - Mar 2008

- Spearheaded a study to determine the feasibility of hitting a moving target with a laser-guided bomb, utilizing the technology of the Sniper Advanced Targeting Pod
- Used Monte Carlo analysis and 6-DOF simulations to develop feasibility guideline for project proposals as a member of the Guidance, Navigation, and Controls Center of Excellence

EDUCATION

Embry-Riddle Aeronautical University - *BS Engineering Physics, Mathematics* 2002 - 2006

App Academy - 16-week intensive course in full-stack software development with 3% acceptance rate 2019