

IVO PAVLOV

(425) 408-2153

pavlov.ivo@gmail.com

[ANGELLIST](#)

[PORTFOLIO](#)

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SKILLS

React, Redux, GraphQL, Apollo, Ruby, Rails, JavaScript, Docker, Node.js, Express, MongoDB, HTML, CSS, SQL, Git

PROJECTS

Picto-gram (Ruby / Rails, PostgreSQL, React, Redux, AWS, Docker)

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

An Instagram clone; users can upload, view, and comment on uploaded pictures

- Used **model level validations** to require complete input from user on account creation along with useful **error rendering**
- Applied custom routes and **user authentication** on both backend and frontend to prevent unauthorized access to protected routes and site features
- Simulated a demonstration user login using an **asynchronous JavaScript** function
- Utilized **RESTful API** endpoints and **AJAX** requests for user generated content
- Integrated **AWS S3 buckets** for object storage service to allow users to upload and view images on each post

zBay (MongoDB, Express, ReactJS, GraphQL, Apollo, NodeJS)

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

A group effort combination of eBay and Zillow; users are able to create auctions and bid on luxury homes

- Incorporated a **GraphQL SOAP API endpoint** with a **React UI** to query and create auction listings and accounts from the frontend
- Created backend with **Express** web application framework for **Node.js** runtime environment, and **MongoDB** for data
- Leveraged **Cloudinary** for image hosting and display via **Axios** request
- Ensured secure user creation and login experience with **bcrypt npm module** and **JSON Web Tokens**
- Brought in **Mapbox API** to detail applicable search results based on location data entered during auction creation
- Managed dependency incorporation by implementation of **webpack**

Yipp (MongoDB, Express, React.js / Redux.js, Node.js)

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

A Yelp-inspired app for dog-owners to leave reviews and ratings on user's dogs based on social interactions

- Initiated a backend framework with **Express** and **MongoDB** database for data and image storage leveraging **GridFS**
- Showcased images in a carousel with a **JavaScript library**, utilizing **Redux actions** to call images to the frontend
- Using reusable **React components** created a uniform site experience
- Used **whitebox testing** to ensure functionality and integrity of content

Jonkey Song (JavaScript, Canvas, HTML, CSS)

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

A JavaScript implementation of the arcade classic Donkey Kong

- Achieved a smooth gaming experience drawing sprites to HTML **Canvas** utilizing frame animation
- Created a light-weight game engine using **object-oriented programming** to achieve physics and collision detection
- Paired **event listeners** for an intuitive control system

EXPERIENCE

Production Associate II

Blue Heron Biotech

May 2011 - May 2019

- Improved gene-synthesis production process efficiency and reduced human error through data-parsing scripts, and VBA macros in Excel
- Worked various roles as part of a team throughout the entire production, and quality control, process and trained new employees to produce one mega-base of customized DNA per month

Teaching Assistant & Tutor

Washington State University

Jan 2008 - Jul 2010

- Tutored students in chemistry, biology, physics, and mathematics
- Lead multiple classes of 20-25 students on introductory general chemistry for STEM majors

EDUCATION

Web Development - App Academy, 1500+ hour curriculum with < 3% acceptance | Spring 2019

BS Molecular Genetics and Cell Biotechnology - Washington State University | 2006 - 2010