

# Samuel Kim

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## Projects

### **Instapound (Rails, React, Redux, PostgreSQL)**

[Live](#) | [Github](#)

*A food-themed, picture sharing app inspired by Instagram*

- Ensured double layer of security by assigning session tokens on the backend and confirming the session user on the frontend.
- Implemented user asset management for picture uploads with AmazonWebServices S3 via the Paperclip gem.
- Optimized image rendering for a more seamless response by adding paperclip-optimizer to Paperclips' processors setting.

### **Silly Rabbit (JavaScript, CreateJS)**

[Live](#) | [Github](#)

*An endless runner game inspired by Google Chrome's T-Rex game*

- Achieved 60 FPS by utilizing the EaselJS library to create SpriteSheet and Sprite objects.
- Simulated jump physics through TweenJS's tweening interface. Chained multiple Tween to() methods for a smooth animation.

### **DOMDOMDOM (JavaScript, DOM)**

[Demo](#) | [Github](#)

*A JavaScript library inspired by jQuery*

- Accomplished AJAX functionality through the XMLHttpRequest API to initialize a request and registering a callback to its onload.
- Handled the addition of multiple event listeners by setting a unique action property to an element and assigning its value to an array of even handlers.

## Skills

Ruby

Ruby on Rails

JavaScript

jQuery

React

Redux

SQL

Git

HTML5

CSS3

Java

## Education & Training

**Rutgers University**, New Brunswick, NJ

January 2014

BS in Computer Science

Curriculum Highlights:

*Computer Architecture, Data Structures, Systems Programming*

**App Academy** 2016

*An intensive 1000-hour web development course with an acceptance rate below 5%*

## Professional Experience

**Tata Consultancy Services**

2014-2016

*Software Engineer*

- Audited many database tables and ensured target tables matched source tables using our propriety data validation tool.
- Established smooth migration from one data warehouse to another using SQL queries to inspect whether or not data transitions were successful.