Johnny Reis

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Portfolio

Salamander | *Full Stack Engineer*
Oekaki (Drawing) App in Ruby on Rails and React.js integrated with a RESTful API   **Live • GitHub**
- Custom OAuth using BCrypt to hash and salt user passwords
- HTML5 Canvas resizes based on size of browser window
- Users draw stamps which are shared and used in other users' drawings
- Dynamically sorts stamps based on usage or newness

Baby's First MVC | *Back End Engineer*
MVC framework built on Ruby, inspired by Rails
- Includes persistent session cookie and temporary flash cookies   **GitHub**
- Simplifies common SQL queries using ORM
- Custom route creation using metaprogramming

Grappling Block | *Front End Engineer*
Browser game written with HTML5 Phaser.js
- Difficulty increases as user progresses   **Live • GitHub**
- Velocity and gravity changes depending on game phase

Skills

Ruby, Javascript, jQuery, HTML, git, Ruby on Rails, React.js, Flux, SQL, CSS, RSpec

Work Experience

Mathnasium   **Raleigh, NC**
  Educational Director, Lead Instructor   **2013-2015**
- Designed learning plans to help students learn math. Worked on ~60 learning plans per
  semester to stay current with student progress.
- Led a team of up to 5 tutors to properly implement learning plans. This included periodically
  assessing the tutors' skills and providing pointed performance feedback.

Anything Anywhere   **Chapel Hill, NC**
Programmer, Consultant   **2012-2013**
- Wrote a MATLAB script to process *.jpeg pictures which cut labor time roughly in half.

Education

App Academy   **San Francisco,**
1000-Hour Full Stack Web Development Course   **CA**
Topics include: TDD, scalability, algorithms, OOP, coding style, REST, security   **2015-2016**

University of North Carolina   **Chapel Hill, NC**
B.S. Mathematics, Minor Physics   **2008-2012**
Curriculum Highlights: Linear and Abstract Algebra, Calculus and Real Analysis, Partial
  Differential Equations, Algorithms, Data Structures

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