

# Matthew Schmuckler

Software Developer

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## > PROJECTS

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### Ticker

*Stock tracker browser app connecting investors to real time data, built with React and Rails.*

- Blueprinted database schema, API routes, and React.js component hierarchy from the top down.
- Created implementation timeline and UI wireframes to maintain development life cycle with MVP deadlines.
- Integrated external finance APIs to retrieve live market data. Uniformly merged JSON responses into Redux store.
- Optimized autocomplete search with debounced RESTful calls. Constructed custom SQL queries to prefetch data.
- Employed cloud storage with AWS and Paperclip gem to increase scalability.

### Galagus

*Arcade style JavaScript browser game built on HTML5 Canvas.*

- Devised reusable algorithms for enemy pathing and collision detection, keeping code DRY and refactorable.
- Employed Canvas animation frames, resulting in smooth, lag-free gameplay.

### DOMinator

*JavaScript library for seamless manipulation of the DOM.*

- Utilized vanilla DOM API to exert control over HTML elements, generate event handlers and dispatch asynchronous requests.

## > EXPERIENCE

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### **Amalgamated Life Insurance Company**

*Reconciliation Analyst*

June 2016 - June 2017

- Analyzed client accounts comprised of benefit packages and retirement funds. Calculated and handled discrepancies in payments or coverage levels.
- Managed 20+ clients, acting as primary point of contact. Resolved debts of \$100,000+.
- Created advanced Excel workbooks automating detection of outstanding balances. Saved 40 working-hours a week.

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## > EDUCATION

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### **App Academy**

September 2017

Intensive software program building full-stack, single-page-apps in a time-crunched environment. Concentrated on core web development practices, algorithms and data structures.

### **University of Rochester**

May 2016

B.A. Bioethics & Biology

Major GPA: 3.8

Graduated with High Honors and Distinction.

Performed classical piano at master level.

## > SKILLS

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JavaScript

Ruby on Rails

React.js

Redux

JQuery

HTML5

CSS3

SQL

RESTful APIs

Git

Amazon Web Services