SEAN CHOWDHURY

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Linkedin | GitHub | Website

PROFESSIONAL EXPERIENCE

The Home Depot
December 2017 - Present
Software Engineer
- Build and maintain Google cloud based payment services using Java 8 and a Spring Framework.
- Gained a strong understanding of the business logic behind credit card and paypal authorization.
- Used knowledge from credit authorization to build the company's custom GiftCard authorization.
- Followed TDD with unit, integration and functional tests that gives confidence in code.
- Set up monitors using Splunk and Extrahop.

App Academy JumpStart
Aug 2017 - November 2017
Teaching Assistant / Software Engineer
- Taught Ruby syntax and best programming practices to prospective software engineers.
- Built internal tools for TA's using Rails to make queries and serve more helpful views.

SKILLS
Coding: Ruby on Rails, RSpec, JavaScript, React + Redux, Node, Express, Java, Spring, graphQL, Postgres, Git, HTML5, CSS
Data and Image Analysis: MatLab, Excel, ArcGIS, ENVI

PROJECTS
Kunkka - live link - repo - Ruby on Rails, React/Redux, Postgres, Google Maps API, HTML5, CSS3
Nautical mapping single-page web app inspired by Strava
- Leveraged Google Maps API to allow users to generate courses and content.
- Designed a terrain checker that makes cross origin requests and leverages the Canvas API to detect the type of terrain throughout the user's course.
- Utilized my terrain checker to build a custom algorithm that draws nodes around a user's course to geometrically finds the heading of the river.

Hawk and the Minnow - live link - repo - JavaScript, Canvas, HTML5, CSS3
A JavaScript and HTML5 platformer
- Built collision detection in JavaScript/Canvas checking the user's position relative to platforms.
- Implemented custom JavaScript class states for player falling, movement through platforms and platform ejection.

EDUCATION
App Academy
May 2017 - Jul 2017
- 1000-hour full stack web development program with <3% acceptance rate

City College of New York
Jan 2013 - Dec 2016
- Bachelor of Arts, Earth and Atmospheric Sciences