# Christopher Regan

## Software Engineer

443-846-9197     chrisreg007@gmail.com

LinkedIn     GitHub     Portfolio

---

## SKILLS

JavaScript, Java, Babel, Webpack, Django REST, React, Redux, AWS S3, Python, PyTest, RestAPI, GraphQL, Bootstrap, Stripe, Flask, *SQL-alchemy, Google Maps API, Sequelize, Bash,* Postgresql, MongoDB, CSS, HTML, Docker

## EDUCATION

**AppAcademy** - *Full Stack Web Development*                                                                  Graduated 2021

- 1000+ hour immersive software development program focusing on f**ull stack web development**, **pair programming**, coding fundamentals and best practices. Relevant coursework included: **Object Oriented Programming** (OOP), Test Driven Development (**TDD**), **data structures**, **algorithms**, systems design & architecture, **Agile/SCRUM** methodologies.
- **Gettysburg College** - *BS Computer Science*                                                                     2014-2018

## TECHNICAL EXPERIENCE & PROJECTS

**Full Stack Developer** - *Terrastride / HuntStand*                                                      Nov 2021-Current

Project Lead: Payment Processing Redesign

- Took initiative in designing and implementing a new subscription **payment processing system** resulting in a **20% increase in paid user conversion rate** resulting in over **$100,000 a year** in extra revenue from web traffic.
- **A/B tested** the previous order flow against the new one using **Google Analytics** integrated into the **HTML** giving management clear data on the effectiveness of the project. Users had to click on average 7 times less to sign up for a subscription with the new design.
- Leveraged packages from **Stripe Elements** to quickly spin up a secure, modern, and mobile friendly payment site that seamlessly integrates with mobile payment systems such as **Apple and Google Pay.**

Project Lead: React Profiles and Sharing Tools

- Developed a strategy in conjunction with marketing leadership to increase app installs by allowing users to share their photos on social media sites by creating an **embedded metadata link** that redirects traffic to our site.
- Encouraged the sharing of these marketing links by completely rebuilding the user profile system frontend in a **React** bundled efficiently with **Webpack** to integrate seamlessly into existing legacy bootstrap templates on web.
- Enabled future maintainability by creating a responsive **CSS stylesheet** that allowed the one **React** app to be used on every supported platform by displaying web content in a **containerized web-view** within the Android and IOS apps.
- Developed internal **RESTful API** microservices to efficiently build **JSON** response objects with nested ORM based serializers in **Django REST Framework** to serve both mobile and web frontends.
- Edited a **Postgresql** relational database with migrations necessary for creating varied levels of **access permission** for user data when sharing mapping objects that could be sensitive.

Other Roles

- Deployed new versions of production code to an **AWS** distributed server system system, performing **Dev/OPs** tasks for frontend engineers.
- Created and updated tickets in **JIRA** to fix bugs throughout the app as well as manage collaboration on larger projects.
- Collaborated with a remote team using **BitBucket's Git version control** system with a **CI/CU** development process.
- Performed **bi-weekly code review** with other engineers encouraging maintainable and efficient code.

**React / Redux Developer** - *Pocket Network*                                        3 month contract starting September 2021

- Designed, developed, and tested a custom **React** / **Redux user interface** to improve uptime of a live network of node validator servers running a utility blockchain that processes **1,000,000s of dollars** of transactions per year.
- Implemented production in a **Test Driven Development** cycle using the **Selenium** framework that required the code worked before being deployed to a mission critical role.
- Deciphered legacy **Bash** scripts in order to integrate modern frameworks that simply the process of server support by
- Adhered to strict **Cyber-Security** protocols including **cryptography**, VPNs, and network quarantining to protect company intellectual property and the financial information of users.
- Ensured the integrity of 1500 parallel **MongoDB** databases by running scripts to compare the contents of each, and if necessary to delete and recopy data to retain the integrity of the network.

## ADDITIONAL EXPERIENCE

***Personal Trainer*** - *Gold's Gym*                                                                     June 2018 - Oct 2019

- Worked with a **diverse** range of clients with different goals and after finding what they wanted out of a fitness program tailored a custom routine to fit their needs.