

Christopher Regan

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Software Engineer

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

SKILLS JavaScript, Java, Babel, Webpack, Django REST, NumPy, 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 **full 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: Customer Service Data Management Portal

Technology: Python, Django REST Framework, Postgresql, Stripe Elements, React, JavaScript, SCSS, AWS

- Created a user interface for internal use to monitor over **2,000,000 user profiles** in a **SQL** relational database with over 200 tables hosted on multiple **AWS servers**.
- Enabled the ability to drill down on specific users or create **macro trend analysis on large datasets** using **NumPy** and **Django** libraries to create a data reduction pipeline that facilitated valuable insights to the performance of the company.
- Discovered a problem with Android credit card payment failures costing the company **\$50,000 a month** from a bug in a new build of the app using this **data analysis** platform.

Project Lead: Payment Processing Redesign

Technology: Python, Django REST Framework, Postgresql, Stripe Elements, React, JavaScript, SCSS, AWS

- 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

Technology: Python, Django REST Framework, Postgresql, Bootstrap, React, JavaScript, SCSS, AWS

- 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.
- Collaborated with a remote team using **BitBucket's Git version control** system with a **CI/CD** development process.
- Performed **bi-weekly code review** with other engineers encouraging maintainable and efficient code.

Personal Project - Git There

Founded June 2021

Technology: Python, Flask, Postgresql, React, JavaScript, CSS, AWS, Heroku CLI

- Hosted an organizational **kanban board** tool on **Heroku** for bootcamp graduates designed to track their job application progress and organize their documents by integrating a cloud storage system with an **AWS S3 bucket** to track version history of resumes.
- Maintained a **Flask based Python backend** to serve user data to the front end application built in **React**.