

# DANIEL TILLERO

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**SKILLS** Javascript, Python, TypeScript, Java, React, Redux, Angular, Node, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, Docker, Google Cloud Platform, Pug, Jenji, SCSS, Figma, Git, Github, Webpack, Agile, Mocha, Chai, Pytest, Heroku.

## PROJECTS

### InstaClone

[Live Site](#) | [Github](#)

*A Instagram Clone built using Flask, React, and AWS S3.*

- Refined session based authentication by leveraging flask; used werkzeug to generate hashes, wtforms for server-side validations, and vanilla CSS/HTML to incorporate custom form UI and client-side validations.
- Engineered Post API including routes to query posts for a user's feed based on posts by accounts followed by the user, and another to support image uploading to AWS S3 through Amazon's Python API (boto3).
- Incorporated seed data to showcase full API functionality, which included posts, users, followers/following, likes, and comments.

### Octuor

[Live Site](#) | [Github](#)

*A music streaming platform built using Express, React, Redux and AWS S3.*

- Engineered token-based security (authentication/authorization) infrastructure using express, bcrypt, and jsonwebtoken.
- Devised data layer in redux by leveraging thunk and custom event handlers to optimize song/artist search.
- Designed custom user interface modeled on Spotify by using React Hooks and styled-components to encapsulate component styles and functionality.

### SinkOverflow

[Live Site](#) | [Github](#)

*A platform for both home improvement questions and answers built using Express.*

- Applied monolithic application architecture where express serves static html powered by the pug templating engine.
- Implemented custom quick-sort functionality to create question/answer feed that sorts based on relativity.
- Designed RESTful API routes to implement query and vote functionalities without the need for a client-side refresh.
- Normalized databases for clean querying and information retrieval implementation powered by Sequelize ORM.

## EXPERIENCE

### UI Developer

*Messangi, Mar. 2019 - Aug. 2020*

- Contributed to the company's flagship application, a customer engagement platform to manage and track customer interaction (PUSH, email, and sms) from one single place in the cloud.
- Built an Angular 9 component library with focus on test driven development principles and unit tests written in Karma and Jasmine which facilitated front-end implementation processes for engineers working across the entire product suite.
- Spearheaded liaison with product owners and designers to create efficient front-end abstractions with emphasis on reusability and improved UI/UX in Figma.

### Chief Technical Officer / Co-Founder

*DevFuse, Feb. 2018 - Mar. 2019*

- Architected and implemented serverless systems to provide storage buckets, NoSQL Databases, and Node functions that live on the cloud by leveraging GCP. (Google Cloud Platform).
- Crafted tailored product strategies by implementing agile methodologies to analyze time frames and budgets.

### Software Development Internship

*Ogangi Corp, Aug. 2017 - Feb. 2018*

- Collaborated with a small team to develop a vendor facing application for a loyalty platform which enables representatives to properly administer the platform's backend and create mobile passes for their customers.
- Developed a business dashboard using React that fetches real time data to track and chart multiple KPIs using chart.js.

## EDUCATION

**App Academy** - Rigorous software development course with focus on full stack web development. (2020 - 2021)

**Florida International University** - *Information Technology* (2015 - 2020)