

## SKILLS

JavaScript, Python, Node.js, Express, GraphQL, PostgreSQL, MongoDB, React, React Native, Redux, Flask, Ruby on Rails, AWS, Material-UI

## EXPERIENCE

### Software Engineer, Backend Lead

*R3ntl* July 2020 - Current

- Responsible for designing and maintaining database schema, related api endpoints and model associations.
- Work closely with Head Engineer to integrate Rails server, React Native client, and multiple 3rd party services.
- Contribute to overall product roadmap, analysis of strategic offerings and consequent feature implementation.

### CEO

*Dunkan Hill, Mgmt Consulting* Jan 2016 - Jan 2020

- Provided custom-tailored analysis of financial and operational data to help guide strategic decision-making and optimize performance.
- Marshaled various projects from inception to completion based on evaluated needs and targets.

### Director, Asset Management

*New Life Multi-Family Mgmt* June 2014 - Jan 2016

- Created in-house metrics, and conducted in-depth analyses across a broad range of operational categories for individual assets and entire 7,000+ unit, \$100MM+ portfolio.
- Led several major initiatives to improve operational cash flow and performance, saving up to 6 figures per year in some cases, and adding millions to the overall valuation of the portfolio.

### Professional Poker Player - Cash Games

June 2014 - Jan 2020

- Consistently out-performed in highly competitive, quantitatively-driven environment
- Constantly evaluated performance and long-term viability of strategies and ideas

## EDUCATION

AppAcademy - Fully-immersive, 1000hr+ software development program with < 3% acceptance rate 2020

North Carolina State University - BS Computer Engineering 2013

## PROJECTS

Custom-Crafts | (*Python, React, GraphQL, Flask, SQLAlchemy, Graphene, PostgreSQL, Blender*) - Backend lead [live](#) | [github](#)

- Advocated for and ultimately led implementation of GraphQL api with Graphene, allowing the client application to receive the exact shape and volume of data required by each component, improving site performance by minimizing data transfer between server and client.
- Built custom functions to parse application state parameters in order to dynamically build query strings to interact with Graphene resolvers, creating filter and search functionality.
- Utilized several React Hooks in conjunction with local storage to manage user authentication and React component state restoration throughout the application.

videoEats | (*Node.js, Express, PostgreSQL, Sequelize*) - Backend lead [live](#) | [github](#)

- Implemented REST API for videoEats client, allowing frontend to efficiently interact with server and PostgreSQL database for data persistence and retrieval.
- Incorporated Google Maps and Geocode APIs to render location pins on search map, improving UX by allowing users to view restaurant locations from inside the application.
- Structured PostgreSQL models with Sequelize to use join-tables and unique indices in order to support user-vote integrity and related front-end rendering.
- Integrated Bcrypt to hash and validate user passwords. Used JWTs to authenticate users throughout the application, ensuring private route protection.

World View | (*React, Redux, Node.js, Express, Redis, PostgreSQL, Material-UI*) - lead Engineer [live](#) | [github](#)

- Implemented Redux Hooks to manage application state of user search preferences, enhancing UX by allowing users to quickly toggle between country origins for their news searches.
- Created relational database models in PostgreSQL to allow users to save news stories for later use.
- Connected Redis cache to limit api calls for recently queried search combinations in order to reduce bandwidth used and increase site performance.