

## SKILLS

JavaScript, Python, Java, Node JS, Express, GraphQL, PostgreSQL, MongoDB, React, Redux, Flask, AWS, Docker, Material-UI, React-Spring

## PROJECTS

Custom-Crafts | *(React, Redux, GraphQL, Flask, SQLAlchemy, Graphene, Blender) - Backend lead*

[live](#) | [github](#)

- Advocated for and ultimately led implementation of GraphQL api with Graphene. This allowed 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. This benefited UX by allowing users to see restaurant locations inside the application.
- Structured Postgres models with Sequelize to use join-tables and unique indices in order to support user-vote integrity and related front-end rendering.
- Utilized Bcrypt to hash and validate user passwords. JWTs were used 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](#)

- Used 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.

## EXPERIENCE

### CEO

*Dunkan Hill, Mgmt Consulting*

Jan 2017 - Jan 2020

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

### Director, Asset Management

*New Life Multi-Family Mgmt*

June 2015 - Jan 2017

- 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 2015 - Jan 2020

- Consistently out-performed in highly competitive, quantitatively-driven environment
- Constantly evaluated performance and long-term viability of strategies and ideas
- Mentored peers, actively contributing to new strategy innovation and exploration

## EDUCATION

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

2020

North Carolina State University - *BS Computer Engineering*

2013

University of Illinois at Urbana-Champaign - *MBA*

Current

Specialization: Digital Marketing and Business Analytics, Part-time