

# Alisha Lopes

Software Developer

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[LinkedIn](#) [Github](#)

## Skills

Python ♦ Flask ♦ JavaScript ♦ HTML5 ♦ CSS3 ♦ D3 ♦ React ♦ Redux ♦ PostgreSQL ♦ jQuery ♦ Git ♦ Github  
♦ Firebase ♦ MongoDB ♦ Webpack ♦ AWS

## Projects

**IBDb** | [Python](#) | [HTML5](#) | [CSS3](#) | [Flask](#) | [Postgres](#) | [D3](#) |

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

*Full stack web application allows users to browse, search, and save books to their personal library*

- Implemented faceted search engine on Open Library dump dataset of 54 million records
- Leveraged SQLAlchemy Searchable Library to recognize stop words and apply relevance ranking to search
- Configured Postgres and Flask backend to store user's books, and individual book information
- Utilized Bootstrap and Jinja templates allowing user to easily navigate site
- Incorporated D3 to incorporate a graph visual, allowing the user to explore the relationships of books they've saved to their subject and authors.
- Integrated Google Books API to augment book pages with cover images and summaries.

**Diary** | [Javascript](#) | [Firebase](#) | [React](#) | [Redux](#) | [HTML5](#) | [CSS](#) |

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

*Virtual Diary*

- Configured Firebase backend with authentication allowing users to make private or public posts
- Implemented functionality through React state management to display different information about a diary entry.
- Implemented Connected, Auth, and Protected Routes using react-router-dom so that when two users were connected, they would not be able to access the connection page. Frontend routing, to Re-route the user based on their status.
- Implemented secure user experience through Firebase connect authentication.

## Experience

**Dental Hygienist** | [Dental Power](#) |

**August 2011 - January 2018**

- Educated patients by giving oral hygiene and plaque control instructions and postoperative instructions.
- Organized continue care program for ongoing patients

**Dental Hygienist** | [Global Dental Relief](#) |

**Oct 2010 - Sept 2014**

- Implemented preventive care program within a remote clinical setting.
- Lead group of ten local clinicians in educating patients
- Responsible for treating 10-15 patients each day

## Education

**Hackbright Academy**

Immersive software engineering program for women

**January 2019 - March 2019**

**Santa Rosa Junior College**

ASDH - Dental Hygiene

**May 2010**