

# JESSICA BARNETT

## SOFTWARE DEVELOPER

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## PROJECTS

### FERMENTSTATION

#### Front-End Capstone

Fermented beverages such as kombucha have become popular in the past few years as a healthy alternative to soft drinks. I recently took up the hobby of making them at home. It's fun and a great way to save money, but it also requires a lot of experimentation. I built an app that monitors the fermentation stages of each batch and allows me to record and compare ingredients.

- A single-page CRUD app built in React using JSON Server for persistent data storage
- Dynamic routing with React Router library allowed users to view detail pages for individual batches and conditionally rendered content based on the type and status of the batch
- Calls to JSON server using the Fetch API stored the user's batch information and dynamically populated options for recipe ingredients
- React Moment was used to display relative dates (e.g. "Your batch will be ready to drink in 2 weeks")
- Styled with a combination of custom CSS and turretcss framework, which ensured sizing consistency, responsiveness and accessibility

### GOAL FISH

#### Back-End Capstone

My friend is an exceptional education teacher and a key part of her job is to track students' behavior goals. This data helps her to plan lessons and communicate with parents about their child's progress. Because she doesn't have software designed for this, she records scores on paper and uses a calculator for averaging. I built an app that allows her to input scores, calculate averages automatically, and visualize the students' progress in tables and charts.

- A server-generated web app built using Python with Django web framework and styled with Bootstrap
- Django ORM methods were used to allow users to add new students and evaluations to the database, filter and search students, and calculate average scores

## ABOUT

I discovered my interest in coding during a web development elective while in school for graphic design. When I found Nashville Software School, I decided to make a career change to software development. I enjoy channeling my background in graphic design to create beautiful and functional UI designs when working on front-end development. I'm currently working as a full-stack developer using React, Node.js, GraphQL, and AWS.

## EXPERIENCE

### SOFTWARE DEVELOPER

#### Rebar Technology | July 2019 - Present

The software development division of W. Capra Consulting - specializing in recurring billing technology. I work with a small team developing a subscription billing services application.

- Develop a web application using React and Node.js that allows merchants to manage customer subscriptions and payments either through a fully integrated user portal or an external API
- Execute GraphQL queries and manage data fetching and caching with Apollo Client library
- Operate within an AWS environment utilizing services such as Lambda, CloudFormation and Cognito with the help of Serverless Framework
- Interface with a NoSQL data structure stored with AWS Dynamo DB
- Implement unit tests for back-end services using Jest framework
- Leverage React libraries such as Formik to create complex forms and Material UI for styling

### SOFTWARE DEVELOPER

#### Nashville Software School | 2018-2019

Intensive full-time 6-month software development bootcamp focusing on full-stack development fundamentals and problem solving

- Utilized Python with Django framework to create a server-generated ecommerce web application with a group. Leveraged Django templates to build the user interface. Queried the database using raw SQL. Individually responsible for functionality to add products to an order
- Developed a single-page social dashboard app with a group using React. Collaborated with the group to develop user authentication functionality. Individually developed CRUD functionality of the Task List module
- Created an itinerary builder application with a group. Individually responsible for the restaurant module which collected user's search input, queried the Zomato API, displayed results and saved the user's selections

# EXPERIENCE CONTINUED

## GRAPHIC DESIGNER

Freelance | 2017-2018

Independent designer specializing in branding for small businesses

- Designed logos, print materials, business cards and web graphics informed by in-depth client surveys and industry research
- Produced designs using Adobe Photoshop, InDesign and Illustrator, Procreate digital illustration application, and Squarespace
- Developed brand guides for clients that included all fonts, colors, and logo variations used in creating their cohesive brand
- Coached clients on use of Squarespace for web content management, which allowed them to update their website content without compromising the design

## MARKETING COORDINATOR

St. Luke's Community House | 2015

West Nashville non-profit community center offering child development programs, senior activities and financial assistance to Nashville families

- Executed promotional strategy, invitation design, ticket processing and event planning for the Bishop's Barbecue fundraiser, which grossed \$45,000 in donations and sponsorships
- Managed the agency's database of 10,000+ donors using DonorPerfect CRM software, processed gifts and distributed individualized donation acknowledgement letters
- Developed all visual communication for the agency including email marketing using Emma, direct mail pieces and social media graphics using the Adobe Creative Suite, and website design using WordPress CMS

## HEALTH OUTREACH SPECIALIST

United Way of Metropolitan Nashville | 2014

Position was part of a grant from the Healing Trust to increase enrollment in the health insurance marketplace after implementation of the Affordable Care Act

- Conceptualized and designed a healthcare education booklet which increased the health insurance literacy of newly-insured consumers
- Developed expert-level knowledge on healthcare reform via in-person training and individual learning in order to advise marketing leads on campaign strategy
- Strengthened the program's financial counseling service by providing financial counselors with cost-saving guidance for their newly-insured clients

## MARKETING COORDINATOR

United Way of Metropolitan Nashville - AmeriCorps VISTA | 2013

Worked with United Way's Financial Stability initiative, which provides free financial counseling and tax preparation services. Position was part of AmeriCorps VISTA - a national service program designed to alleviate poverty

- Refreshed the branding and website design for the Bank On Music City Program by leveraging input from existing clients and corporate partners
- Supported marketing leads in copywriting for the 2014 Volunteer Income Tax Assistance marketing campaign, resulting in a 13% increase from the previous year's program participation
- Revamped the My Money Nashville initiative by creating My Money Guide, a community resource directory, which received positive feedback from community partners

# EDUCATION

## NASHVILLE SOFTWARE SCHOOL

Full-Stack Software Development  
2018 - 2019

## PARSONS SCHOOL OF DESIGN

Certificate - Graphic Design  
2015 - 2017

## UNIVERSITY OF KENTUCKY

BA - Strategic Communications  
2008 - 2012