

Merle Self

Full Stack Software Engineer | Brooklyn, NY | 978-758-0671

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Ruby, HTML5, CSS3

Frameworks/Tools: React, Next, Redux/RTK, Node, Express, Rails, SQL, PostgreSQL, JWT/Auth, Sequelize, TensorFlow, GitHub, Miro

Personal: Project-management, Team Leadership (<10 to 100+), Proactive + Empathetic Communication, Outstanding Customer Service

PROJECTS

RotoFlo | 2022 | Full Stack Software Engineer | <https://rotoflo.herokuapp.com/> | <https://github.com/GH-Team-Coconut/RotoFlo>

RotoFlo is an immersive ML video filters app that records videos with a variety of dynamic canvas overlays, powered by TensorFlow.

- Created canvas and webcam stream, as well as canvas and webcam recording capabilities.
- Leveraged TensorFlow MoveNet model (Thunder) to track user's full body movements via webcam stream.
- Tech Stack: React, Redux, Cloudinary, JWT, Sequelize, PostgreSQL, Express, Tensor Flow, Axios.

BugJuice | 2022 | Full Stack Software Engineer | <https://bug-juice.vercel.app> | <https://github.com/MerleESelf/BugJuice>

BugJuice is a project management application, aimed at increasing user productivity.

- Scoped, designed, and architected application's front end to create enjoyable and intuitive UI/UX.
- Architected and built application's data models and REST API to communicate securely with Supabase hosted PostgreSQL database.
- Tech Stack: Next, Javascript, NextAuth (Github), DaisyUI, DnD Kit, Formik/Yup, Tailwind CSS, Supabase, Sequelize, PostgreSQL.

WORK EXPERIENCE

Our Scene

November 2022 - Present

Sober-Living Lifestyle / Events App

Product Engineer (Full Stack)

- Scoping, architecting, and building full stack PWA and CMS for 0 to MVP early-stage startup in Next.js (React + Typescript).
- Designing REST API, data models, and auth layer in Rails / PostgreSQL to serve data for PWA.
- Responsible for the entire lifecycle of feature development, including designing UI/UX (Miro) prior to implementation.
- Utilizing Yarn Workspaces / Monorepo Architecture to leverage code sharing to decrease time to market.
- Tech Stack: Next, Typescript, Ruby on Rails, React-Query, NextAuth (Google), Tailwind CSS, PostgreSQL, Yarn Workspaces, Railway.

Variety Coffee / Birch Coffee

August 2022 - Present

NYC Based Specialty Coffee Roasters / Cafes

Barista

- Responsible for maintenance of high end commercial espresso machines, cafe sanitation, and serving >= 500 covers daily.
- Providing exceptional customer service and experience for cafe's customers across multiple locations in NYC.

Glossier Flagship

October 2018 - September 2020

International Skin-Care / Makeup Brand

Associate Manager / Senior Editor

- Organized and executed monthly hiring efforts, onboarding, and training process during each hiring period.
- Spearheaded general store maintenance to uphold a world class retail experience for all customers.
- Conducted quarterly performance reviews for 120 Editors, and 6 Senior Editors which cultivated transferable professional skills.

Birch Coffee

November 2016- October 2018

NYC Based Specialty Coffee Roaster / Cafe

General Manager

- Conducted quarterly performance reviews for staff that resulted in quantifiable improvements in employee work ethic and attitude.
- Created weekly schedules with WhenIWork that streamlined Birch Coffee's team management and employee experience.
- Trained new members of cafe staff on LaMarzocco espresso machines to deliver delicious and visually stunning coffee beverages.

EDUCATION

The Grace Hopper Program at Fullstack Academy

January 2022- April 2022

Software Engineering Immersive

University of Massachusetts Lowell

September 2009 – June 2013

Bachelor of Arts, History