

# Stéphane Meyering | Software Engineer

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## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Ruby, SQL  
**Web Development:** React, Redux, HTML, CSS, Sass, Ruby on Rails (MVC), Node.js, AJAX, Webpack, Heroku, RESTful APIs  
**Databases:** RDBMS — PostgreSQL, NoSQL — MongoDB  
**Tools:** AWS S3, Git, Visual Studio Code, Jira

## PROJECTS

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### STEREO — *A music streaming and sharing application inspired by Soundcloud*

[Live](#) | [GitHub](#)

- *Backend* — Ruby on Rails, PostgreSQL, BCrypt; *Frontend* — React, Redux, AJAX, CSS3, WaveSurfer.js
- Leveraged Amazon S3 and database queries to efficiently read/write (stream/upload) audio files and corresponding album art
- Wrote code to generate and save waveform peak data to database on upload, vastly improving subsequent render speed
- Integrated Redux with HTML5 progress and audio web components to create customized media playback for users
- Implemented a user authentication system, utilizing bcrypt to securely hash and store passwords

### CO-HABIT — *An all-in-one housemates web application built with the MERN stack*

[Live](#) | [GitHub](#)

- *Backend* — Node.js, npm, MongoDB, Express, Passport.js; *Frontend* — React, Redux, Axios, Sass
- Designed and built an intuitive user interface for housemates to manage chores, split shared bills, and schedule events
- Implemented household bills CRUD functionality and a pie chart visual representation of each housemate's portion; leveraged JavaScript promises to fetch household data and store bill data asynchronously
- Assisted teammates in identifying the root causes of bugs and potential fixes; used Git to manage branches and features

### FRACTALS — *A vanilla JavaScript Mandelbrot set visualizer*

[Live](#) | [GitHub](#)

- Built an interface to selectively visualize parts of the Mandelbrot set using Canvas and an iterative algorithm
- Designed a render process that dynamically increases the number of iterations at deeper levels
- Created an asynchronous Canvas progress bar reflective of Mandelbrot frame computation status

## WORK EXPERIENCE

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### SWEET A LITTLE — *San Francisco based tech startup building a real-time fulfillment network specialized in bubble tea and sweet treats*

#### Technical Operations Manager

September 2018 – March 2019

- Translated operational needs into software features, worked cross-functionally with software and ops teams to develop new features for both front-end and back-end.
- Championed transition to new central facility in SF SOMA, from layout design and budget proposal to obtaining building permit from the city. Collaborated with a wide range of internal and external teams (architect, SF planning dpt, contractors)
- Managed operations and maintained end-of-funnel recruiting ownership

#### Senior Operations Manager

March 2018 – September 2018

- Managed operations team (10-15 full time employees) and owned the entire recruiting pipeline
- Scaled operational logistics by over 300% (fleet, personnel, inventory, storage)
- Built an inventory tracking system from scratch using Typeform, Zapier and Google sheets, used for ordering, restocking and calibrating usage analytics

#### Operations Team Lead

August 2016 – March 2018

- Grew the operations team from 1 to 10+ employees
- Redesigned several operational processes, increasing efficiency and saving over 5 labor hours per week
- Designed all training and on-boarding materials for new team members

## EDUCATION

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**App Academy, San Francisco** — Full-Stack Software Engineering

Fall 2019 - Spring 2020

**Université de Montréal, Montreal** — B.S. Communications and Politics

Fall 2011 - Spring 2016