

# Iona Brabender

## Full-Stack Software Engineer

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[Website](#)  
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[Blog](#)

### PROFILE

Highly-motivated and passionate software engineer with experience in Ruby on Rails and JavaScript-based programming. I thrive in a dynamic environment, and am looking to join a progressive and energetic team who will foster my desire to learn and grow. My international experience shows that I am highly adaptable, while my varied background allows me to bring a unique perspective to all of my problem solving strategies and coding projects.

### TECHNICAL SKILLS

- Ruby
- Ruby on Rails
- SQL
- JavaScript
- React
- Redux
- HTML
- CSS

### TECHNICAL PROJECTS

#### ALWAYS BALANCED | [GitHub](#) | [Demo](#)

Provides users with a personalized schedule designed to improve their work-life balance while working from home.

- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side.
- Combined React and Redux to allow fast rendering and to create an effective user interface.
- Implemented custom CSS to produce a tailor-made original design which elevated the appearance of the app.
- Constructed an MVC Rails backend using Postgres, with custom-built methods and validations for added functionality.
- Incorporated BCrypt authentication to ensure a secure environment for users.

#### FRUIT QUEST | [GitHub](#) | [Demo](#)

A platform game which allows users to collect items against the clock while competing against other players.

- Used the Phaser 3 game engine and Tiled Map Editor to create original gameplay, animation, and levels.
- Employed React to allow faster rendering and improved user experience.
- Added custom CSS to create an appealing and original design.
- Constructed an MVC-pattern Rails backend to allow full CRUD capability for user and score models.

#### GANDR | [GitHub](#) | [Demo](#)

Allows users to browse a range of artworks from the Metropolitan Museum of Art, and to add comments and likes to their favorite pieces.

- Worked with and manipulated data from the Metropolitan Museum of Art API to allow users access to their vast inventory.
- Created a JavaScript frontend, to allow effective DOM manipulation and easy-to-use functionality for users.
- Utilized MVC pattern in Rails to create full CRUD capability for multiple models, with endpoints for users, likes, and posts.

### WORK EXPERIENCE

#### CATERING SPECIALIST | Market Hall Caterers, Oakland, CA | JUN 2019 - MAY 2020

- Created faster order processing by automating reporting, therefore maximizing order management capabilities.
- Was key in managing a significant and high-pressure transformation in operations, thereby allowing continuation of business during the lockdown period.
- Coordinated events and orders in a detail-oriented way which led to a significant decrease in order errors.
- Worked effectively and efficiently, and quickly achieved the highest sales performance in the department.

#### ADMINISTRATIVE AND ACCOUNTING ASSISTANT | San Francisco Box Office, San Francisco, CA | JAN 2018 - JUN 2019

- Managed a multi-million dollar ticket inventory, including buying, pricing, and selling, thereby maximizing profit.
- Handled accounting tasks, including creation of purchase orders and invoices, payment management, bank reconciliations, and payroll, in a detail-oriented and organized way, thus enabling effective functioning of the business.
- Led the transition from PDF tickets to QR-based mobile tickets, and so facilitated a more efficient buying and selling process.

### EDUCATION

#### FLATIRON SCHOOL

SAN FRANCISCO, USA

JUN 2020 - SEP 2020

Full Stack Web Development, Ruby on Rails, JavaScript, React, and Redux

#### UNIVERSITY OF ST ANDREWS

ST ANDREWS, UK

SEP 2012 - SEP 2013

MLitt Museum and Gallery Studies

#### UNIVERSITY OF GLASGOW

GLASGOW, UK

SEP 2008 - JUN 2012

MA History and Politics