

Amanda Ross

amikaross@gmail.com | 808-895-6469 | [LinkedIn Profile](#)

Software Engineer

SUMMARY:

Software engineer and former technical architect with experience in analyzing and solving complex problems in a fast-paced, detail-oriented environment. Passionate about understanding how things work, effective communication, and working in teams to creatively solve interesting problems.

SKILLS:

Languages/Frameworks: Ruby, Rails, ActiveRecord, SQL, GraphQL, HTML/CSS, OOP

Testing: Test Driven Development, RSpec, Capybara, Webmock/VCR, Pry

Tools/Workflow/Databases: Git, GitHub, VSCode, Heroku, Relational Databases, PostgreSQL, Postman, CI/CD

Exposure: C, Python, Flask, FastAPI, Golang, Docker, Javascript

Currently Learning: Typescript, React, Node.js, Java

PROJECTS:

Bookworm | [Deployed](#) | [Repos](#) | Time Frame: 60 hours

- Collaborated with a full stack team of 7 developers using agile processes in a fully remote environment to create a deployed web application which allows users to register, add and delete books, and swap books with other users.
- Maintained comprehensive project documentation and communication, including json contracts with Postman mock server. Performed daily standups, multiple short sprints, retros, and GitHub Projects to manage story tickets.
- Learned and utilized new technologies during project timeframe, such as GraphQL and CircleCI for implementing CI/CD pipelines.
- Implemented a rails backend service with graphql queries and mutations for a Typescript/React front end to consume.
- **Tech Stack:** Ruby, Rails, Posgresql, Graphql (BE)

Bik-n-Brü | [Deployed](#) | [Repos](#) | Time Frame: 60 hours

- A web app for turning Strava activities into a game of beers earned, gas-money unspent, and pounds CO2 saved.
- Collaborated with a team of 6 other developers, with all members alternating between front and back end teams. Maintained comprehensive project documentation and communication in a fully remote environment.
- Utilized a service-oriented architecture (front-end and back-end rails applications), implemented OAuth with Strava, and consumes three third-party APIs (OpenBrewery, CollectAPI - Gas Prices, and Strava API).
- Primarily focused on implementation of the backend RESTful API. Exposed 11 endpoints for the front end to consume.
- **Tech Stack:** Ruby, Rails, Postgresql, HTML, CSS, Heroku

EMPLOYMENT:

Licensed Architectural Associate, *Wiss Janney Elstner Associates*

June 2019 - July 2022

- Licensed architect (AIA, NCARB) and project manager for a global Architectural/Engineering/Material Sciences consultant firm.
- Performed building envelope investigation, repair, and rehabilitation design.
- Managed approximately \$250,000 in fees annually as the project lead for multiple clients.
- Conducted third party design peer reviews, construction administration, and historic preservation services.
- Performed field investigation, research, document review, and produced numerous technical reports.
- Developed detailed and encompassing construction documents (drawings and specifications).

EDUCATION:

Turing School of Software & Design | Certificate of Completion Back-End Software Engineering

March, 2023

Harvard's CS50 on edx.org | Verified Certificate of Completion

December, 2022

University of Edinburgh, College of Art | Master of Science, Architectural Conservation

October, 2018

UC Berkeley, College of Environmental Design | Master of Architecture

May, 2015

Mount Holyoke College (Magna Cum Laude) | B.A. Architectural Studies with Mathematics minor

May, 2011