



# Matthew Klein

Software Developer / Human

## TL:DR

**I am a multidiscipline software developer with a decade plus career thriving at the intersection of technology and creativity. I'm passionate about software's role in building a more equitable future on planet Earth.**

### Education

#### EBAME 2021

##### Certificate

- Oct-December 2021
- Workshops, classes, and seminars on various topics in computational microbiological research
- Hands-on experience with AGNOSTOS, SnakeMake, Jupyter Notebooks, STRONG, and core UNIX cli tools.

#### Flatiron School

##### Immersive Full Stack Development Program

- May-October 2020
- Project-centric curriculum of full stack technologies in javascript and ruby, with an emphasis on collaborative development processes. Core curriculum elements include Ruby on Rails, React, Redux, and relational databases

#### Drexel University

##### BS Audio Engineering Minor, Business Administration

- 2007-2011
- Staff engineer at 91.7 WKDU, Philadelphia's premiere non-commercial radio station

### Experience

#### Software Engineer, Ruby on Rails

##### Dispatch

- February 2022 - Present
- Develop new functionality for core Rails app, enabling company to expand into 50+ new markets
- Focus on growing unit test coverage and refactoring slow tests to increase pipeline performance
- Refactor legacy ERB views to React components, integrate responsive UI with Stimulus JS
- Update React Native mobile app to correspond with new backend feature development

#### Software Engineer

##### University of Chicago

- October 2020 - February 2022
- Maintain and develop Anvi'o, an open-source, community-driven analysis and visualization platform for microbial 'omics
- Expand and modernize frontend javascript codebase using jquery, bootstrap, and Fabricjs,
- Write python code to build out backend Bottle endpoints for new frontend features

#### Co-owner / Editor

##### Good Boy Audiovisual

- September 2015 - March 2021
- Developed core business model for a remote, boutique video editing studio serving a diverse portfolio of international clients

### Languages + Technologies

- Javascript
- Ruby
- Python
- SQL
- Docker
- PostgreSQL
- Firestore, NoSQL
- HTML
- CSS

### Frameworks + Libraries

- Rails
- Svelte
- React
- jQuery
- Bootstrap
- Firebase
- RSpec
- Hugo
- Bottle
- fabric.js
- chota CSS
- Jekyll

### Misc

- git / GitHub / Gitlab
- Bash, zsh
- Linux, MacOS
- Adobe Suite
- Jira, Agile development

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