

# LAWRENCE WHALEN

## BACK-END ENGINEER

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### PROFESSIONAL PROFILE

Former IT professional with experience in building and maintaining hardware and software. Moved into back-end engineering with an interest in creating equitable access databases for underserved populations. Worked in on-boarding and continuing tech education with all organizational levels. Currently working on expanding the number of languages and frameworks used in deployed applications.

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### WORK EXPERIENCE

#### IT SUPPORT

Blue River Pet Care | Loveland, CO | 2008-2021

Sole on-site support and emergency contact. Lead transfer of all data and equipment between two management softwares with different file systems and network distribution and coordinated with multiple third-parties.

- Built and supported a ~30 computer wired network including medical equipment
- Trained and continued education for 30-40 vets and technicians yearly
- Server and practice management software maintenance and integration with 5 outside companies

#### SECOND PROGRAMMING TEAM

Colorado State University | Fort Collins | 2003-2008

First group to create a digital dissection guide for veterinary students and professionals. Worked with student dissectors planning and implementing requested views.

- Trained 5-8 student workers each year on software and custom hardware
  - Created interactive 3D models linked to dissection guide
  - Creating and linking pages between key dissection points
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### TECHNICAL PROJECTS

#### [CLIENTELL](#) | [Back-End](#) |

- Tech Stack | GraphQL, Ruby, RSpec, Heroku, Travis CI, GraphQL, Cors

- Sex positive and sex worker focused app demo developed in 2½ weeks
- Learned and implemented graphql during project development using individual spikes and sharing.
- Implemented custom error handling to meet Front-End requests.

#### [EPEOLATRY](#) | [Front-End](#) | [Back-End](#) |

- Tech Stack | Ruby on Rails, RSpec, GraphQL, HTML, Heroku, Travis CI, Circle CI, Google OAuth

- Developed in three sprints of four days, swapping team assignments each sprint.
  - Full build of front and back-end from design to deployment.
  - Implemented google books as primary storage, linked with our app specific database.
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### EDUCATION

#### BACK-END ENGINEERING

Turing School | Denver, CO | 2020-2021

#### ASSOCIATES DEGREE

Front Range | Ft. Collins, CO | 2003-2005

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### SKILLS

- Ruby
- Continuous Integration
- Test Driven Development
- On-Boarding
- Ruby on Rails
- Web Deployment
- Postman Testing
- Full-Stack Integration
- Postgres
- GraphQL
- API deployment
- Multi-Team Projects