



Andrew Shafer, MA

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SOFTWARE DEVELOPER | PROGRAMMER

Back End Development

EARLY CAREER SOFTWARE ENGINEER possessing a love of logic and a drive to solve problems. *Strengths:*

- ▶ **Managing project deadlines**, and prioritizing features and daily tasks.
- ▶ **Developing features and troubleshooting bugs**, under a strict code review process.
- ▶ **Pitching project proposals**, and showing leadership by recruiting co-workers, and organizing initial project structure.
- ▶ **Discussing plans during cross team conversations**, to build consensus on architectural design decisions.
- ▶ **Testing code for edge cases and errors**, using test driven development, unit tests and end to end testing.
- ▶ **Working in a remote environment**, using unit written and verbal communication to collaborate with a diverse team.
- ▶ **Researching new technologies and processes** to find innovative solutions.

Software Development Skills: Ruby, Python, SQL, Postgress, GraphQL, Active Record, Travis, CircleCI, Rails, Django, Postman, Git, GitHub, Heroku, TDD, Rspec, Capybara, REST, Agile, Linux, Design Patterns.
Currently learning: Haskell, Java, Spring.

PROFESSIONAL EXPERIENCE

Back End Developer, *Student*, TURING SCHOOL OF SOFTWARE & DESIGN | 2021

Completed 1500 hours to earn Certificate in the Back End Engineering. Studied how data moves, changes, and grows over time and learned how to build fully-functioning web and server-side applications written in Ruby, leveraging the Ruby on Rails framework, and working with SQL databases. *Example projects:*

- ♦ **Barn-Raiser**: Using agile workflow methodology, worked in a group to build an application to help communities match needs to resources. Pitched project, and proposed initial plans for data base and MVP. Facilitated communication between Front End (FE) and Back End (BE) teams. Wrote JSON contracts for GraphQL End Points. Continuous deployment with Circle CI.
 - Developed with Ruby, Rails, Rspec, GraphQL, JavaScript, React, Heroku, and CircleCI
- ♦ **Vote-Local**: Worked on FE and BE repositories to develop an application allowing users to find and contact local representatives on Twitter. Architected application functionality and pivoted focus as necessary. Set up Twitter OAuth for authentication, and used Twitter and Google Civics APIs.
 - Developed with Ruby, Rails, Rspec, REST, Heroku, and Travis
- ♦ **Viewing Party**: Built an application to allow users to friend and invite others to watch films together. Authenticates users with password securely stored in relational data base using self-referential tables. Employed IMDB API for movies search.
 - Developed with Ruby, Rails, Rspec, REST, Heroku, and Travis
- ♦ **Sweater Weather**: Built an application exposing an API to assist with trip planning by looking at weather forecasts for a given location. Used bcrypt to ensure passwords are safely stored in referential data base. Functionality assigns users a random, unique API key to make calls to the app. Used and coordinated several API calls.
 - Developed with Ruby, Rails, Rspec, REST, Heroku, and Travis

Additional Professional Experience, FORDHAM UNIVERSITY | 2017 - 2020

Taught Introductory Philosophy courses. Mentored and advised students. Developed curriculum to communicate complex ideas.

EDUCATION

Certificate in Back End Engineering, TURING SCHOOL OF SOFTWARE & DESIGN, 2021

- ♦ Immersive training in object oriented programming with Ruby; web applications with Ruby; professional Rails applications; and cross team processes and applications.

M.A., Philosophy, FORDHAM UNIVERSITY

B.A., Philosophy, UNIVERSITY OF DALLAS, Summa Cum Laude, Phi Beta Kappa, Phi Sigma Tau