

# MELONY ERIN FRANCHINI · Backend Software Engineer

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## SUMMARY

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Backend software engineer with an M.Ed. in Adult Learning and 7+ years as a professional educator. I bring a keen ability to learn new subject matter, break down complex concepts, and effectively communicate to diverse groups of people. My enthusiasm knows no bounds when tackling any level of complexity you throw my way!

## TECHNICAL SKILLS

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- **Technology:** Ruby, Ruby on Rails, ActiveRecord, PostgreSQL, Tailwind, JSON
- **Testing:** Test-Driven Development (TDD), CircleCI, Postman, Capybara, RSpec
- **Others:** Agile Processes, GitHub, GitHub Projects, Heroku, Render, Figma, Miro, HTML, CSS,
- **Exploring:** Amazon AWS, Google Cloud, Twilio, Render, Python, Django

## SOFTWARE PROJECTS

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**Do Good**, Team Project | 50 Hours | [BE Repo](#) & [FE Repo](#)

**Tech Stack:** Ruby on Rails, Amazon AWS, Google Cloud, Twilio, Tailwind, PostgreSQL, CircleCI, Heroku  
*Designed, developed, and deployed a successful web application using Service-Oriented Architecture.*

- Initiated creation of a JSON contract to guarantee delivery of minimum viable product within tight deadline.
- Authenticated users with Google OAuth & rendered their Google Calendar with Google Cloud.
- Optimized database storage by storing and retrieving image metadata via an Amazon AWS S3 bucket.
- Collaborated via GitHub projects to ensure version control and facilitate efficient code reviews.

**Whether the Weather**, Solo Project | 40 Hours | [Repo](#)

**Tech Stack:** Ruby on Rails, RSpec, Capybara, JSON, GitHub

*Independently built a successful, backend web application.*

- Exposed a custom API that aggregates data consumed from multiple external endpoints.
- Implemented user password authentication, API key creation, and API key validation.
- Sharpened newly acquired knowledge, creative problem-solving skills, and decision-making abilities.

**Movie Night Invite**, Pair Project | 50 hours | [Repo](#)

**Tech Stack:** Ruby on Rails, GitHub, RSpec, Capybara

*Developed a local web application in Ruby on Rails, consumed external APIs, and built a PostgreSQL database.*

- Utilized TDD practices, creating over 60 tests to ensure comprehensive code coverage and functionality.
- Refactored application to include authentication and authorization as well as improve readability.
- Took on additional responsibilities that played a critical role in the successful delivery of the project.

**Mentoring Side Projects:** [Phoenix Mythical Creature](#) (Ruby) | [Potluck](#) (Ruby) | [Zoo Manager](#) (MCV)

*Led workshops & mentoring sessions to reinforce fundamental skills with incoming cohorts of Turing students.*

## PROFESSIONAL EXPERIENCE

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**Apprentice: Backend Engineer** | Turing School of Software & Design | Remote 11/2022 – 06/2023

- Nearing the end of an ACCET-accredited, Ruby on Rails engineering program; completion set for mid-June.

**University Lecturer** | KEPCO International Nuclear Graduate School | South Korea 03/2016 – 03/2018

- Established first writing curriculum: Academic Writing, Thesis Writing, and Technical Presentations.

**English Language Instructor** | Korea Hydro & Nuclear Power Co. | South Korea 02/2014 – 03/2016

- Developed a professional English training program to improve teaching skills of senior engineers.

## EDUCATION

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**Turing School of Software and Design** | Certificate of Completion 06/2023

**University of British Columbia** | Master of Education (M.Ed.) in Adult Learning and Global Change 05/2018

**University of Nevada, Las Vegas** | Bachelor of Arts (B.A.) in Theatre Arts 08/2006