**Melony Erin Franchini** • Backend Software Engineer

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**SUMMARY**

As an agile Software Engineer, I’m passionate about creating innovative software tools that enhance organizational efficiency, facilitate knowledge transfer, and empower individuals to reach their goals. With a Master of Education in Adult Learning & Global Change, I bring a keen ability to learn new subjects, simplify complex concepts, and communicate with diverse groups of people.

**TECHNICAL SKILLS**

* **Technology:** Ruby, Ruby on Rails, ActiveRecord, SQL, PostgreSQL, SQLite3, Tailwind, AWS EC2
* **Others:** Test-Driven Development (TDD), Agile Processes, RSpec, CircleCI, Github Actions, Redis, Postman, Git, GitHub, GitHub Projects, Heroku, Vultr, SendGrid, Figma, Miro, HTML, CSS

**SOFTWARE PROJECTS**

**ALPs (Advanced Language Practices)**, E2E Development Team | 80 hours | [BE Repo](https://github.com/A-L-P-s/ALPs_api_sqlite_finale#readme) & [FE Repo](https://github.com/A-L-P-s/alps-ui#readme)

**Tech Stack:** Ruby on Rails, PostgreSQL & SQLite3, RSpec, GitHub, Postman, Github Actions, Heroku & AWS EC2

*Created a web application to query AI with user input and return foreign language corrections.*

* Wrote and refined OpenAI prompt query to return consistent and reliable responses.
* Researched 20+ hours: AWS Elastic Beanstalk deployment, EC2 instances, and DRS databases.

**Do Good**, Team Project |100 Hours | [BE Repo](https://github.com/do-good-2211/do_good_api#readme) &[FE Repo](https://github.com/do-good-2211/do_good_web#readme)

**Tech Stack:** Ruby on Rails, PostgreSQL, AWS S3 Bucket, Google Cloud, Twilio, Tailwind, CircleCI, Heroku

*Developed and deployed a web application using Service-Oriented Architecture & CRUD functionality.*

* Initiated creation of a JSON contract to guarantee delivery of minimum viable product within tight deadline.
* Optimized database storage by storing and retrieving image metadata via an Amazon AWS S3 bucket.

**Whether the Weather**, Solo Project |40 Hours | [Repo](https://github.com/MelTravelz/whether_the_weather#readme)

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

*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.

**Mentoring Side Projects:** [Phoenix Mythical Creature](https://github.com/MelTravelz/phoenix_mythical_creature#readme) (Ruby) | [Potluck](https://github.com/MelTravelz/mod-1-be-exercises/tree/mentoring_mod_1/practice_independent_challenges/week2/potluck#readme) (Ruby)| [Zoo Manager](https://gist.github.com/MelTravelz/9f1d91a154cef8949c423c7fa63d51bb) (MCV)

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

**PROFESSIONAL EXPERIENCE**

**Founder & Language Editor** | English Stage Lab | Remote & Turkey 06/2020 – 10/2022

* Edited medical research and other professional papers that had been translated from the Turkish language.

**University Lecturer** | KEPCO International Nuclear Graduate School | South Korea03/2016 – 03/2018

* Established school’s first writing curriculum: Academic Writing, Thesis Writing, and Technical Presentations.

**English Language Instructor** | Korea Hydro & Nuclear Power Co. | South Korea02/2014 – 03/2016

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

**EDUCATION**                                                                       

**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

**ADDITIONAL QUALIFICATIONS**

**Graduate Certificate** | Turkish Language (C1/Advanced)          10/2018 – 10/2020

**Competent Leader & Competent Communicator** | Toastmasters International                03/2014 – 02/2017

**K-12 Professional Educator License (Florida)** | English for Speakers of Other Languages     09/2013 – 05/2014

**University of Colorado, Denver** | Graduate Certificate in Business & Entrepreneurship           09/2010 – 12/2012