

MELONY ERIN FRANCHINI · 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, 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](#) & [FE Repo](#)

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](#) & [FE Repo](#)

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](#)

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](#) (Ruby) | [Potluck](#) (Ruby) | [Zoo Manager](#) (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 – 09/2023

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

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

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

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