

# MELONY ERIN FRANCHINI · Software Engineer

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## SKILLS

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Ruby, Ruby on Rails, ActiveRecord, SQL, PostgreSQL, SQLite3, RSpec, Postman, CircleCI, Github Actions, Vultr, Heroku, Git, GitHub Projects, Notion, Figma, Miro, HTML, CSS, TailwindCSS, Cloudinary, RESTful APIs, Object-Oriented Programming (OOP), Test-Driven Development (TDD), Agile Methodology, Project Management, Technical Writing, Cross-Team Collaboration, Prioritization, Critical Thinking, Problem Solving, Decision-Making

## SOFTWARE PROJECTS

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**The Missing Piece**, International E2E Development Team | 60 Hours | [BE Repo](#) & [FE Repo](#)

**Tech Stack:** Ruby on Rails, PostgreSQL, RSpec, ActiveRecord, Github Actions, Heroku, Postman, Cloudinary

→ *As Project Manager & Backend Technical Lead, created a puzzle-sharing app to support senior wellbeing.*

- Independently handled user authentication and authorization, app deployment, and CI/CD setup.
- Integrated the cloud-based platform Cloudinary for efficient image upload and storage management.
- Refactored endpoints to solidify learning and ensure the implementation of coding best practices.

**ALPs (Advanced Language Practices)**, E2E Development Team | 80 hours | [BE Repo](#) & [FE Repo](#)

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

→ *Created a language-practice app that queries AI with user input and returns foreign language corrections.*

- Wrote and refined an OpenAI prompt query to return consistent and reliable responses.
- Built a RESTful API with full CRUD functionality using Service-Oriented Architecture & TDD.
- Researched Amazon Web Services for 20+ hours: Elastic Beanstalk, EC2, S3 buckets, and DRS databases.

**Do Good**, Backend Developer Team Project | 100 Hours | [BE Repo](#) & [FE Repo](#)

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

→ *Developed entire app to allow users to select a random good deed, invite others to event, and share images.*

- Independently built a production-quality user interface (UI) with HTML, CSS, and TailwindCSS.
- Authenticated users with Google OAuth and integrated Google Calendar through the Google Cloud Platform.
- Optimized database storage by uploading, storing, and retrieving image metadata via an Amazon S3 bucket.
- Delivered emails with cloud-based service provider Twilio/SendGrid.

**Mentoring:** [Phoenix Mythical Creature](#) (Ruby) | [Ruby Exercises](#) (Ruby) | [Zoo Manager](#) (MVC)

→ *Led workshops & mentoring sessions to reinforce fundamentals with incoming cohorts of Turing students.*

## PROFESSIONAL EXPERIENCE

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**Backend Software Engineer** | Freelance | Remote 10/2023 – Present

- Develop, optimize, and maintain web applications to ensure reliability, security, scalability, and performance.

**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 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

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

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

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

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

## ADDITIONAL QUALIFICATIONS

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

**Competent Leader & Competent Communicator** | Toastmasters International 02/2017

**K-12 Professional Educator License (Florida)** | English for Speakers of Other Languages 07/2016