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 & 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 – 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

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