

Joseph 'Joop' Stark - Software Engineer

USMC Veteran ~ Teacher ~ Software Engineer ~ Aspiring Lorax

Github: <https://github.com/JoopStark> LinkedIn: <https://www.linkedin.com/in/joop-stark/>

720-470-9680 - StarkJH33@gmail.com - he/him/his

TECHNICAL SKILLS

Languages/frameworks: Ruby, Ruby on Rails(ROR), SQL, React, JavaScript, HTML5

Concepts: Object-Oriented Programming(OOP), Test-Driven Development (TDD)

Principles: RESTful web applications, REST APIs, Model-View-Controller (MVC) architecture

Tools: RSpec, PostgreSQL, GraphQL, Circle CI, Postman, Heroku, Git, GitHub, RuboCop (Linter)

PROJECT EXAMPLES

Assistive Tech - 4-person group <https://github.com/Assistive-Tech-2307> & <https://at-finder.vercel.app/>

- Created a web app to help people with special needs find technologies they need(e.g. talking calculator)
- Engineered ChatGPT requests to ensure we received formatted and accurate data
- Implemented GraphQL for dynamic query and REST with low-level caches for efficient queries
- Coordinated between React frontend engineers and two Ruby microservices engineers.

FlickPick - 4-person group <https://github.com/FlickPick>

- Proposed, designed, and created a dating app-like web application for helping friends decide on a movie
- Produced a backend that took external API calls and shaped them into a usable internal API
- Implemented Google OAuth2, GitHub OAuth2, and Bcrypt to keep data secure while being user-friendly
- Instituted Unit and Integration testing to ensure refactoring and new features work as intended
- Coordinate effectively with frontend and backend teams to quickly produce a viable product

Rails Engine - independent

Front -https://github.com/JoopStark/rails_engine_fe_7 Back: https://github.com/JoopStark/rails_engine

- Created an internal REST API for an e-commerce website with all CRUD functions
- Created RESTful Front-end web application using the internal API
- Designed following architectural principles while honoring the User's Stories
- Implemented 100% test coverage across controllers, models, and serializers

EXPERIENCE

Homeroom Teacher

08/2021-06/2023

Breckenridge Elementary School

Breckenridge, CO

- Connect reading, writing, and arithmetic to equity and social-emotional learning
- Raised awareness about environmental issues through various initiatives and campaigns
- Collaborated with teachers to adjust the curriculum to meet students' needs and interests

United States Marine Corps (Logistician, Recon Marine, Personnel Clerk)

08/2007 - 08/2015

- Managed \$1,000,000 of optics, encryption devices, HF, UHF, and Satcom radios
- Optimized frequency for communication with the base, aircraft, and other forces in the Area of Operation
- Trained marines on topics such as red/black encryption, data management, and report writing

EDUCATION

Turing School of Software and Design; Remote

07/2023 -01/2024

Back-end Development.

- 8-month, 1,500-hour intensive ACCET-accredited software program

Metropolitan University of Denver; Denver, CO

08/2017 - 08/2019

Bachelor of Arts in Special Education Teacher, emphasis: Elementary Ed.

VOLUNTEERING

Court Appointed Special Advocate(CASA); Denver, CO

08/2015 - 08/2017

Assisting an Aquatic Physical Therapist(Craig Hospital); Evergreen, CO

07/2017 - 06/2019