

# KYLE REGO

regoky@outlook.com ◇ <https://kylerego.github.io>

Raynham, MA 02767

## EXPERIENCE

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### Impero Software

June 2022 - Feb 2024

*Software Engineer (Ruby on Rails and .NET)*

*Remote*

- Collaborated on three teams developing and maintaining the web side of a classroom management and student wellbeing solution, with a focus on data integrations.
- Started on a support engineering team debugging Rails apps in production, correcting data-related problems with the Rails console, and documenting the issues, before also joining a Rails scrum team.
- Developed new features like a dashboard for managing user groups across the entire district and a merge duplicate student tool that accounted for all the associated data.
- Investigated and fixed data integration problems including a JSON API not sending all the requested data, daily jobs building single objects with over 1 Gb memory, calls to external APIs being made wrong, status codes not being handled, logical bugs in business logic like date handling and data validation.
- Joined a new .NET scrum team for implementing a replacement .NET architecture for the Rails data integrations. Quickly acquired proficiency in .NET, ASP.NET Core, and EF Core and took on a leadership role in the initial development phase of the new system.
- Took charge of implementing large parts of the new architecture including EF Core class libraries, an ASP.NET Core REST API, a console application for scheduling processes, and several complete data integrations. Also developed a file import that handled a zip file with over 20 CSVs, a basic React app to display data from the API, and Azure pipelines to automate deployment, testing, and coverage reporting processes.

## EDUCATION

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### Rensselaer Polytechnic Institute (RPI)

*August 2015 - December 2018*

Bachelor of Science in Physics

Overall GPA: 4.0

## TECHNICAL SKILLS

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<b>Computer languages</b>	Ruby, JavaScript, C#, SQL, HTML, CSS
<b>Databases</b>	PostgreSQL, SQLite
<b>Software and tools</b>	Git, Ruby on Rails, .NET, ASP.NET Core, EF Core
<b>Skills</b>	Object-oriented programming, Test-driven development, Software design

## PROJECTS

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### Anki Books

2023

- Anki Books is a note-taking app that can create Anki package files (zip files of multiple SQLite databases that import into the flashcard program Anki) using a Ruby gem created for this app (Anki Record).
- It also implements some features inspired by the program SuperMemo like incremental reading and exporting concepts data so it can be viewed as a concept network.
- Learned more about Ruby gems, the Rails asset pipeline and import maps, RSpec, Cucumber, Selenium, databases, Turbo, Stimulus, design patterns, modular design, and front-end web development.

## HONORS

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### The J. Erik Jonsson Prize

*May 2019*

Awarded at Commencement to the senior who has achieved the highest academic record in the class.