KYLE REGO

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Raynham, MA 02767

EXPERIENCE

Impero Software   June 2022 - Feb 2024

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

· Worked on three different teams developing and maintaining the web side of a classroom management and student wellbeing solution, with a focus on data integrations syncing users, schools, and class rostering data from Google APIs, Azure AD, and OneRoster-like APIs.
· 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 new .NET architecture that would replace the Rails data integrations, learned about .NET, ASP.NET Core, and EF Core, and went on to lead the initial development of the new system.
· Implemented a large part the architecture including EF Core class libraries, an ASP.NET Core REST API, a console app for scheduling processes, a few complete data integrations, a file import processing a zip file with over 20 CSVs, a basic React app to show data from the API, and Azure pipelines delivering artifacts to a VM as well as running tests and generating coverage reports.

EDUCATION

Rensselaer Polytechnic Institute (RPI)   *August 2015 - December 2018*

Bachelor of Science in Physics

Overall GPA: 4.0

TECHNICAL SKILLS

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

PROJECTS

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

The J. Erik Jonsson Prize   *May 2019*

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