ALEX DESJARDINS

Software Engineer

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Technical Skills

Technologies: Ruby, Rails, ActiveRecord, PostgreSQL, Rspec, Capybara, HTML, Heroku, TravisCI, GraphQL

Practices: Object-Oriented Programming, Test Driven Development, Agile Development, ReSTful Design, Git/Version control, Continuous Integration, MVC architecture, JSON construction/consumption.

Experience

Backend Software Engineering Student   03/2020 - 01/2021
Turing School of Software and Design

- Investment of 2000+ hours creating projects that range from basic Ruby, to database-backend Rails applications as well as ReST API's built using test-driven development following object-oriented design principles.
- Student success mentor to help current students understand concepts surrounding Ruby, Rails, PostgreSQL, OOP, TTD and many more technical topics.

Senior Surgical Neurophysiologist; CNIM   11/2018 - 03/2020
Assure Neuromonitoring - National Technologist

- Part of a two-member team tasked with establishing advanced neuromonitoring procedures during brain tumor removal surgeries with Culicchia Neurological Clinic in New Orleans.
- Personally trained 6 surgical neurophysiologists at hospitals nationwide for neuromonitoring protocols for various advanced procedures.
- Traveled to surgery centers and hospitals nationwide to consult with and establish neuromonitoring procedures for various surgeries.

Surgical Neurophysiologist; CNIM   08/2016 - 10/2018
Nuvasive Clinical Services - Mayo Clinic - Team Lead

- Lead surgical neurophysiologist for various complex neuromonitoring procedures including brain aneurysm surgeries, complex multilevel spine surgeries, patient-asleep and patient-awake brain tumor removal surgeries.
- Worked with Chief of Neurosurgery; Dr. Quinones and his neurosurgery team to provide cortical mapping and EEG neuromonitoring during patient-awake brain tumor removal surgeries.
- Implemented a training regimen for associate-level surgical neurophysiologists to transition into more advanced brain and vascular surgeries.

Projects

Saturn'd Earth | Github | Production

- Group full-stack project allowing users to create posts that must gain 'likes' in order to be viewed by other users; based on location.
- Created GraphQL API for the frontend team and successfully implemented backend geolocation features.
- **Tech:** Ruby on Rails, PostgreSQL, Heroku, GraphQL, RSpec, Capybara

Sweater Weather API | Github | Production

- Creation of REST API to aggregate data as well as provide CRUD functionality.
- Solo greenfield project that utilize openweather, mapquest, and pexel API's
- **Tech:** Ruby on Rails, PostgreSQL, Heroku, RSpec, Capybara

Monster Shop | Github | Production

- Creation of database-backed e-commerce application with full CRUD functionality.
- Successfully implemented stretch-goal feature to automatically apply discounts on items at checkout.
- **Tech:** Ruby on Rails, RSpec, Capybara, PostgreSQL, Heroku

Education

Backend Software Engineering | *Turing School of Software and Design*   03/2020 - 01/2021

B.Sc Biological Health Science | *University of South Florida*   08/2011 - 07/2015