

Ian Murray

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SKILLS

Languages and Persistence

Layers:

Ruby, PostgreSQL, Cassandra, JavaScript (ES6), Python, Scala, Redis, Parquet, MongoDB

Frameworks and Libraries:

Rails, RSpec, Ruby Grape, Node.js, Ember.js, Express.js, Mongoose, jQuery, AJAX, SCSS/SASS, Bootstrap

Tools and Technologies:

Apache Spark, Heroku, AWS S3, GCP, CodeShip, RabbitMQ, Command Line Interface, Version control (Git/Github), HTML5, CSS3

EXPERIENCE

BACK-END SOFTWARE ENGINEER – Gamer Sensei

May 2018 – May 2019

- Designed and implemented RESTful APIs (Ruby on Rails, Ruby-Grape microservices)
- Data modeling and data structuring in SQL and NoSQL databases (PostgreSQL, Cassandra)
- Built microservices that retrieve, aggregate, and curate data for various output mediums: web, customized reports, and messaging bots (Ruby, Apache Spark, Scala, GCP BigQuery, Redis, RabbitMQ)
- Contributed to quality control via extensive automated test coverage, peer code review, and Continuous Integration (RSpec, Git, Codeship)
- Collaborated across Engineering, Design, Marketing, and Business teams to ensure the needs of interior and exterior project stakeholders were met, using Agile methodology

WEB DEVELOPMENT IMMERSIVE – General Assembly

Jan. 2018 – April 2018

Completed a 12-week, 600 plus hour full-stack web development boot camp. Wrote and deployed three full-stack web applications (a turn-based RPG, an e-commerce site, and an inventory/task management platform), both individually and in groups. All of these projects can be seen at ian-murray.com.

BIOLOGICAL RESEARCH ASSOCIATE – Bradham Lab, Boston University

Sept. 2011 – Oct. 2014

Research focused on a computational model of gene regulatory networks which direct skeletal patterning in sea urchin embryos. Developed experimental strategy and new methods, analyzed results and large-scale genomic data, trained new researchers, and oversaw biosafety level 2 compliance as the Lab Safety Officer.

EDUCATION

Boston University – Boston, MA

Graduation Year: 2014

Bachelor of Arts (BA) in Biochemistry and Molecular Biology with Distinction

Cum Laude, National Merit Scholar, George R. Bernard Jr. Scholar

OTHER INTERESTS

Dungeons and Dragons • Alternative ice cream • Homebrewing • Mushroom cultivation