Antoine Leclercq

Software Engineer - *Permanent Resident*

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⚡ Projects

Workerholic — *An efficient and scalable Background Job Processor built from scratch. Supports concurrency and parallel processing and makes use of custom algorithms such as the ASP (Adaptive and Successive Provisioning) algorithm. Takes full advantage of Redis. Comes with a Web UI for statistics, a CLI for ease of use and integrates with Rails. Runs on MRI and JRuby.*—https://workerholic.github.io

Ruby, Redis, connection_pool, Sinatra, Rspec

Myflix — *A video subscription web service application with account management, administration capabilities, email notifications, possibility to invite friends, user following feature, subscription and payments handling.*

Ruby, Rails, TDD/BDD, Rspec, Capybara, Redis, Sidekiq, Amazon S3

AnTrello — *A project management web application based on Trello that allows for creation, deletion, archival, reorganization, labeling and keyword search of lists and cards in list.*

JavaScript, Backbone, Express, PostgreSQL, Jasmine, Jade, Stylus, Handlebars

📋 Skills

➔ **Problem Solving**
  ◆ Algorithmic Thinking
  ◆ System Design

➔ **Ruby**
  ◆ Rails, Sinatra

➔ **JavaScript**
  ◆ jQuery, Backbone
  ◆ Express

➔ **DB**
  ◆ SQL
  ◆ Redis

➔ **TDD/BDD**
  ◆ Rspec, Capybara

➔ **HTML, CSS**

💼 Experience

Software Engineer — *Workerholic (OSP), New York, NY* — https://workerholic.github.io — 2017 - present
➔ Built an efficient Background Job Processor from scratch:
  ◆ Supports concurrency and parallel processing
  ◆ Provides a Web UI built from scratch displaying real-time and historical data for up to a year
  ◆ Highly configurable through an easy-to-use CLI
  ◆ Integrates with Rails and runs on multiple Ruby implementations (MRI and JRuby)
➔ Lead design and implementation of ASP (Adaptive and Successive Provisioning) algorithm which resulted in 40% increase in throughput, putting Workerholic on par with Sidekiq (gold-standard in the Ruby ecosystem)

Data Analyst Intern — *FreshPlanet, New York, NY* — 2015 - 2016
➔ Improved decision making process of Tech Leads/PMs/CTO/CEO for core products of the company by creating analytics reports and designing predictive models for critical metrics such as Retention and LTV

🏛 Education

B.S. Economics and Data Mining — *University of Angers - Marne La Vallee, France* — 2010-2014