

Antoine Leclercq

Software Developer - *Permanent Resident*

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<https://antoineleclercq.github.io>

EXPERIENCE

Senior Software Engineer — *LiveRamp, New York, NY* — 2017 - present

- Led the design and development of a mission critical project aimed at establishing LiveRamp as a Platform and decoupling LiveRamp's internal systems. The project consisted of decoupling a key component of LiveRamp's core Onboarding product, entangled in various systems, by building a key push service exposed as a REST API.
- Turned the design of an Evented Application project about rebuilding a piece of LiveRamp's system using an evented application architecture, which would have cemented the system by using immutable storage, into an opportunity to surface major coupling and functional issues rippling through various LiveRamp systems, core products, and organizations. Surfaced those issues with management in an effort to bring about a dedicated team with a mandate to start fixing those issues, which cripple various teams and systems. The team was created and I was the Technical Leader of the team.
- Organized a two day Open Space with engineering team leads, software engineers, product managers, and technical services in an effort to strengthen cross-team and cross-organization communication, to build relationships between teams, and to instigate a discussion around improving LiveRamp's systems.

Software Engineer — *Workerholic (OSP), New York, NY* — <https://workerholic.github.io> — 2017 - 2017

- Designed and built an efficient and scalable Background Job Processor from scratch. Features include: design and implementation of the ASP (Adaptive and Successive Provisioning) algorithm resulting in a 40% increase in throughput and putting Workerholic's performance on par with Sidekiq's (gold-standard in Ruby), Web UI to view up to 365 days of historical data, custom testing method for testing in a multithreaded context.
- Shared project's learnings and results with the development community by giving 45-minute technical talks at various meetups, including the largest Ruby meetup in NYC: <https://youtu.be/BnTT01k1Ztg>

Data Analyst — *FreshPlanet, New York, NY* — 2015 - 2016

SKILLS

Top skills: Agile methodologies, System Design, Web Development, Distributed Systems, TDD, Object Oriented Design, Evented Systems, Ruby, JavaScript, SQL/RDB

More Skills: Cloud Deployment, CI/CD, Data Structures/Algorithms, Rails, HTML/CSS, HTTP

PROJECTS

Workerholic — <https://workerholic.github.io>

An efficient and scalable Background Job Processor. It allows developers to delegate computational/IO intensive tasks, such as external API calls or processing videos. It can handle heavy loads, and process millions of jobs efficiently. Features include automatic worker provisioning with the ASP algorithm, a CLI, scheduling delayed jobs, job execution failover, scalable performances with multi-threading/multi-process execution, reporting web UI and Rails integration.

Ruby, Redis, connection_pool, Sinatra, Rspec

EDUCATION

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