Bradley Cater

SOFTWARE ENGINEER

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Education

Massachusetts Institute of Technology *Boston, MA*

SCIENTIÆ BACCALAUREUS, MATHEMATICS WITH COMPUTER SCIENCE *May 2008*

Skills

Languages Scala, Java, Golang, Ruby, Python, JavaScript
Frameworks Ruby on Rails, Django, Node.js

Experience

Stripe *Ottawa, ON*

INFRASTRUCTURE ENGINEER *April 2020 - PRESENT*

- Member of the Deploy & Staging team responsible for safe, auditable, observable deployments

Morgan Stanley *New York City, NY, and Montréal, QC*

VICE PRESIDENT *January 2015 - March 2020*

- Developed features for Optimus, the MS framework that provides a custom Scala build, persistence, caching, async, distribution, and UI
- Improved Splunk dashboards to analyze system performance
- Performed client support, including problem triage, root cause analysis, bug fixes, and vendor product issues
- Led group training sessions for up to 20 developers
- Managed the interview schedule for the NYC team

Betterific (acquired by IdeaScale) *Boston, MA*

CO-FOUNDER, CTO *February 2012 - January 2015*

- Created a white-label ideation platform for Fortune 500 clients as the only engineer
- Deployed and managed the platform on AWS
- Used denormalization, fragment caching, and lazy loading to improve website performance
- Led a team of 4 tech interns

Panjiva, Inc. *Cambridge, MA*

SOFTWARE ENGINEER *Spring 2010 - Fall 2012*

- Built Trendspotting, a product that aggregates tens of millions of rows of cross-border shipment data to study global trade by HTS Code
- Maintained the company's web-crawling and post-processing systems on AWS
- Led 2-4 person engineering teams

Chitika, Inc. *Westborough, MA*

LEAD ENGINEER *Fall 2009 - Spring 2010*

- Contributed to the RTB (real-time bidding) platform with extremely low latency requirements
- Worked with a statistician to analyze several terabytes of ad server log data in hadoop to improve ad targeting

Snaptalent, Inc. *San Francisco, CA*

CO-FOUNDER, VP ENGINEERING *Spring 2008 - Summer 2009*

- Implemented cosine similarity and k-nearest-neighbors to target job ads on our publisher network
- Processed millions of ad impressions per day

Projects

ryeppp

- Provides ruby bindings to the Yeppp! library for SIMD-accelerated vector operations.

spreadsheet

- Build, save, and re-load spreadsheets from Ruby.
- Supports common mathematical operations like mean, median, sum, etc.