

# Devon Peticolas

DATA ENGINEER

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## About

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I'm currently a Sr. Engineer and Tech Lead at Chartbeat who specializes in architecting high-throughput pipelines and leading small teams to build data-driven products. I'm a strong proponent of boring but simple solutions, independent benchmarking, and sprint retrospectives.

I'm seeking a senior-level engineering position focused on hard problems with the opportunity to grow into engineering leadership.

## Work Experience

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### Chartbeat

[New York, New York](#)

SR. SOFTWARE ENGINEER AND TEAM LEAD

*June 2015 - Present*

- Architected and built a realtime streaming backend using Apache Kafka, Clojure, Riak, and AWS DynamoDB for "New Heads Up Display", a product that translates 300K req/sec into 100mil click events per minute exposed via a site-overlay-dashboard to the user in < 15 sec.
- Adopted Scrum-like process to organize and lead a 9-person team to successful product launch after a year of set-backs. Applied same process to later teams to fix existing products and build new reporting infrastructure.
- Primary Maintainer of Clojure-Kafka internal libraries, Kafka consumer best practices, and highest load Kafka consumers.

SOFTWARE ENGINEER

*June 2013 - June 2015*

- Primary backend engineer in rebuilding Chartbeat Video Product which shows customers information about their video content.
- Architected and built historical and realtime ETL-pipelines targetting MongoDB and AWS Redshift.
- Architected and built supporting worker and API infrastructure for generating reports and dashboards.

### Involvio

[New York, New York](#)

SOFTWARE ENGINEER - CONTRACTOR

*December 2012 - May 2013*

- Migrated an existing PHP application to Ruby on Rails.
- Restructured the existing application's use of MongoDB for 10x improved performance.

### Branch, Branch.com

[New York, New York](#)

HACKNY FELLOW

*December 2012 - May 2013*

- Worked as a full-stack Ruby on Rails developer to help branch.com launch as a new product on a team of less than 10 people.
- Participated in the HackNY Fellowship program which involved collaborating with other fellows on projects and attending talks from industry leaders.

## Education

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### Rutgers University - School of Arts and Sciences

[New Brunswick, NJ](#)

B.S. IN COMPUTER SCIENCE AND MATH

*Class of 2013*

- President of The Undergraduate Student Alliance of Computer Scientists.
- Chief Organizer of the Spring 2012, Fall 2012, and Spring 2013 HackRU Hackathon.

## Presentations

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### Clojure/West 2016 - One Million Clicks per Minute with Kafka and Clojure

[Seattle, Washington](#)

PRESENTER

*April 2016*

- [https://youtu.be/VC\\_MTD68erY](https://youtu.be/VC_MTD68erY)
- Opened for Keynote Speaker Matthias Felleisen
- Recieved three positive comments on YouTube!

## Hobbies & Interests

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**At The Keyboard** Clojure, Priority Hash-maps, The 1989 Gameboy's Z80-like CPU and hardware

**Away From Keyboard** SciFi, Baking, Multi-day Hiking Trips such as the Laugavegurinn Trail in Iceland and Mt. Fuji in Japan