

# Ashton Kemerling

ENGINEERING MANAGER · SOFTWARE ENGINEER

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## Experience

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### Software Engineering Manager

Remote

HULU / DISNEY+

2020 - Present

#### Cross Team Impact

- Lead internal tooling team, to coordinate testing and data quality efforts between Data and Client teams.
- Technical lead for the Unlimited DVR project, coordinating between six technical teams, design, and product.
- Managed QA efforts for the Dancing With The Stars and Hulu on Disney+ releases.
- Founded cross-team best practices committee, reducing duplicated code in new services by 40%.

#### Key Deliverables

- Created central schema and data quality hub, to allow for better documentation and testing
- Cut DLQ volume by 30%
- Saved \$36m per year by re-architecting the pause/resume data store.
- Cut Hulu Cloud DVR cost by 75% without user impact.
- Lead for cross-platform unlimited DVR release, resulting in 50% increase in daily DVR usage.
- First team to deliver production features for the new, unified Disney Streaming technical architecture.
- Migrated to cloud native architecture a year ahead of company wide mandate.
- First incident free Super Bowl for the DVR in Hulu history.

#### People Management

- Increased head count by 40% in a tight labor market by speeding up the interview loop.
- Trained three individual contributors to transition to the management track.
- Mentored three software engineers into senior level positions on the IC track.

### Engineering Manager

Santa Monica, CA

EDMUNDS.COM

2017 - 2019

#### Key Deliverables

- Planned and executed the migration of a dozen lead forms to a single one based on React.
- Reduced P99 API latency from 4s to 250ms, reducing dropped leads by 15%.
- Drove over \$5m a year in revenue by rapidly delivering on specific OEM requests for ad campaigns.
- First lead form in Edmunds history to survive a region failure.
- Developed a unified lead form for nine pages with different product owners.
- Reduced lead form iteration time by 90% with internal self-help tooling for product owners.
- Designed a system for protecting customer data in close collaboration with Data Analytics.

#### People Management

- Redesigned and unified the hiring process for all backend engineers.
- Led the hiring committee as the sole non-executive engineering member to completely redesign the hiring process.
- Recreated the engineering career ladder for clarity and growth opportunities.

## Senior Software Engineer

Chicago, IL

DRW TRADING

2015 - 2017

- Part of the team that maintained the company's trade & position store and the trading instrument reference application.
- Completed rewrite of the process to import financial futures for better performance and reliability.
- Wrote an application analyzing bond interest, providing better accuracy than a Bloomberg terminal.
- Maintained system uptime during the record breaking trading days of Brexit and the 2016 election.
- Wrote services to automate end of day back end processes, saving dozens of hours of labor per week.
- Improved internal devops tools, adding features to save hours of work per sprint.
- Administered over 100 dedicated servers and VMs using a mixture of open source and proprietary observability tools.

## Software Engineer

Denver, CO

PIVOTAL LABS

2013 - 2015

- Implemented generative testing to find reliable reproduction steps for both long running bugs, and new bug reports.
- Diagnosed and resolved a memory leak in Chrome, reducing memory usage by an order of magnitude.
- Finished years long migration from Rails 2 to Rails 3, including porting documentation critical rspec patches.
- Completed years long rewrite of the SPA front end, including cleaning up the git history.
- Introduced React to Pivotal Tracker, to replace increasingly hard to support backbone.js code base.

## Software Engineer

Chicago, IL

NARRATIVE SCIENCE

2012 - 2013

- Sole engineer for company's only public facing product, Quill for Google Analytics.
- Wrote and monitored ELT & ETL pipelines for high value customers.
- Spearheaded effort to migrate to immutable infrastructure for better reliability and reduced cost.

## Intern & Junior Software Engineer

Chicago, IL

ONSHORE DEVELOPMENT

2011 - 2012

- Participated in rewrite of the core allocator to reduce processing time from minutes to seconds.
- Replaced custom Perl deployment scripts with open-source Chef, reducing deployment time by 60%.
- Created localization library to translate the application for international customers for the first time.

## Skills

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Languages   Java, Python, Javascript, Rust

Spoken Languages   English

Tools   AWS, Kafka, Kubernetes, Spinnaker

## Education

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Loyola University Chicago

Chicago, IL

B.S. IN COMPUTER SCIENCE

2008 - 2012

Loyola University Chicago

Chicago, IL

B.S. IN MATHEMATICS

2008 - 2012