# Aniraj Kesavan

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*10 years scaling Distributed Systems*
*Observability/Databases*
*Infrastructure/Platform development*
*Golang, Python, C++, Unix*

## Experience

**Apr 2022 – Present**
**Lead Member of Technical Staff**, *Salesforce*, San Francisco, CA.
- Working on Argus, the metrics platform that powers Observability at Salesforce.

**Aug 2019 – Apr 2022**
**Senior Software Engineer**, *LinkedIn*, Sunnyvale, U.S.A.
- Led development of the metadata layer for Linkedin's time series storage platform serving billions of unique metrics at tens of millions of QPS.
- Refactored metadata storage using vitess and roaring bitmaps.

**June 2017 – Aug 2019**
**Site Reliability Engineer**, *LinkedIn*, Sunnyvale, U.S.A.
- Developed a health check aggregation platform for hundreds of thousands of servers.
- Scaled relational and non relational backends for various verticals in the monitoring platform.

**Aug 2015 – May 2017**
**Graduate Research Assistant**, *Scalable Software Systems Lab*, Utah, U.S.A.
- Worked in Utah SCS Lab under Prof. Ryan Stutsman, researching influence of modern networking hardware on data transfers in distributed in-memory data systems.
- Worked under Flux Group under Prof. Robert Ricci developing profiles for Cloudlab.

**Summer 2016**
**Site Reliability Engineering Intern**, *Linkedin*, Mountain View, U.S.A.
- Developed an out of band monitoring system and some state driven automation for the Monitoring Platform.

**2014–2015**
**R&D Engineer - Pipeline**, *DreamWorks Animation*, Bengaluru, India.
- Worked on the production pipeline for the Animation feature films. IMDb profile.

**2012–2014**
**Associate Software Engineer**, *Zynga*, Bengaluru, India.
- Part of the team that developed and maintained zBase, an internal NoSQL database.

## Education

**2015–2017**
**Master of Science**, *University of Utah*, U.S.A, Computer Science.

**2008–2012**
**Bachelor of Technology**, *Cochin Univ. Science and Technology*, India, Computer Science and Engineering.

**2015–2016**
**Membership Chair, ACM Student Chapter**, University of Utah.

**2015**
**Chairman & Founder, Quiz Club**, DreamWorks Animation India.

## Publications

**Conference** — **Rocksteady: Fast Migration for Low-latency In-memory Storage** .
Chinmay Kulkarni, **Aniraj Kesavan**, Tian Zhang, Robert Ricci, Ryan Stutsman
The 26th ACM Symposium on Operating Systems Principles, October 28-31, 2017, Shanghai, China

**Workshop** — **To Copy or Not to Copy: Making In-Memory Databases Fast on Modern NICs** .
**Aniraj Kesavan**, Ryan Stutsman, Robert Ricci
Proceedings of the Fourth International Workshop on In-Memory Data Management and Analytics (IMDM) 2016 at VLDB 2016, New Delhi, India.

**Invited Article** — **Beyond Simple Request Processing with RAMCloud** .
Chinmay Kulkarni, **Aniraj Kesavan**, Robert Ricci, Ryan Stutsman
Invited Article in Special Issue on Distributed Data Management with RDMA
IEEE Computer Society Bulletin of the Technical Commitee on Data Engineering, March 2017, Vol 40 No.1.

**Master's Thesis** — **Making Large Transfers Fast For In-Memory Databases In Modern Networks**, Advised by Prof. Ryan Stutsman.
Supervisory Committee: Prof. Ryan Stutsman, Prof. Robert Ricci, Prof. Feifei Li