

Aniraj Kesavan

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*Seven years of experience working on distributed systems
In-Memory Databases, Online Monitoring
Infrastructure Development and Modern NICs
Golang, Python, C++, Unix*

Experience

- September 2019 – Present **Senior Engineer, Site Reliability, *LinkedIn***, Sunnyvale, U.S.A.
- Scaling the metadata layer for LinkedIn's time series storage infrastructure.
 - Expertise in storing billions of strings for fast indexing of operational metrics.
- June 2017 – September 2019 **Site Reliability Engineer, *LinkedIn***, Sunnyvale, U.S.A.
- Developing external monitoring and alerting/remediation actions for LinkedIn's Metrics Infrastructure.
 - Rewrote a monitoring server that handles health checks of over two hundred thousand machines spanning multiple data centers.
 - Scaled the relational backend to do hundreds of thousands of write queries per second using golang and mysql.
- 2015–2017 **Graduate Research Assistant, *Scalable Software Systems Lab***, Utah, U.S.A.
- Worked for [Prof. Ryan Stutsman](#), evaluating how modern networking hardware influence performance of large transfers of In-Memory Data.
 - Also worked for [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 solution and some state driven automation for auto remediation in the Monitoring Infrastructure team.
- 2014–2015 **R&D Engineer - Pipeline, *DreamWorks Animation***, Bengaluru, India.
- Developed and re-engineered production pipeline for the Animation Studio.
 - Credited as R&D Engineer for three Hollywood productions - [IMDb profile](#).
- 2012–2014 **Associate Software Engineer, *Zynga***, Bengaluru, India.
- Developed and maintained [zBase](#), the flagship NoSQL database in use at Zynga at that time.

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.

Positions of Responsibility

- 2015–2016 **Membership Chair, ACM Student Chapter**, UNIVERSITY OF UTAH.
2015 **Chairman & Founder, Quiz Club**, DREAMWORKS ANIMATION INDIA.
2011–2012 **Student Coordinator, Placement Cell**, MODEL ENGINEERING COLLEGE, INDIA.

Publications

- 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
- 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 Committee on Data Engineering, March 2017, Vol 40 No.1.