Aniraj Kesavan

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Eight years of experience scaling things for the internet
Databases, Online Monitoring
Infrastructure Development and Modern NICs
Golang, Python, C++, Unix

Experience

2019 – Present
Senior Engineer, Site Reliability, *LinkedIn*, Sunnyvale, U.S.A.
- Co-Leads research and development of the metadata layer for Linkedin's time series storage infrastructure.
- Expertise in storing tens of billions of strings for fast indexing of operational metrics.

June 2017 – September 2019
Site Reliability Engineer, *LinkedIn*, Sunnyvale, U.S.A.
- Developing health and actions platform for Linkedin's Monitoring 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.
- Early member of Utah SCS Lab under Prof. Ryan Stutsman, evaluating how modern networking hardware influence performance of large transfers of In-Memory Data.
- 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 solution and some state driven automation for auto remediation in the Monitoring Infrastructure team.

2014–2015
R&D Engineer - Pipeline, *DreamWorks Animation*, Bengaluru, India.
- Worked on re-egineering the 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.
- Part of the team that 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.

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 Commitee on Data Engineering, March 2017, Vol 40 No.1.