

Aniraj Kesavan
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**Four years of Research Experience in Industry and Academia.
Large Scale Distributed Systems, In-Memory Databases, Modern NICs and Monitoring
Infrastructure.**

Work Experience

Site Reliability Engineering Intern - LinkedIn (May 2016 – August 2016)

- Interned with the Monitoring Infrastructure team developing auto remediation solutions for Monitoring Infrastructure at LinkedIn. Developed an out of band monitoring solution and some state driven automation.

Graduate Research Assistant - Utah Scalable Computer Systems, University of Utah (Aug 2015 - Present)

- Published Research:
 - To Copy or Not to Copy: Making In-Memory Databases Fast on Modern NICs
 - A.Kesavan, R.Stutsman, R.Ricci – Proceedings of the Fourth International Workshop on In-Memory Data Management and Analytics (IMDM) 2016 at VLDB 2016.
- Advised by Prof. [Ryan Stutsman](#). Current research focuses on how modern networking hardware influence performance of large transfers of In-Memory Data.
- Worked under Prof. [Robert Ricci](#) on [Cloudlab](#) and [APT](#) developing profiles for systems such as [RAMCloud](#).

R&D Engineer - Pipeline, DreamWorks Animation India (Jan 2014 – Aug 2015)

- Developed and re-engineered production pipeline for the Animation Studio. Key member in the workflow execution engine development team. Work based on flow based programming and graph theory.
- Credited as R&D Engineer for three Hollywood productions – [IMDB profile](#).

Associate Software Engineer, Zynga India (May 2012 – November 2013)

- Developed and maintained the [zBase](#), the flagship NoSQL database in use at Zynga at that time.
- Gained valuable experience in Distributed Systems, UNIX, VCS and Quality Engineering.

Academic Background

M.S (Computer Science)	University Of Utah, Utah, USA	3.58	2017
B. Tech (Computer Science and Engineering)	Govt. Model Engineering College, Cochin Cochin University of Science and Technology, India	65.26%	2012

Academic Projects

Network Management in public testbeds using Knowledge Graph: Academic project done for the Advanced Computer Networks course in an area of ongoing research under Prof. Jacobus (Kobus) van der Merwe.

Network Function Virtualization using OpenStack and Quagga: Using Python API and expect scripts, implemented NFV in an OpenStack cluster for lossless dynamic routing.

Distributed Key-Value Store using Paxos Replication in Go: Following labs from MIT 6.824– [Course website](#).

Minibase Database System: Built portions of a database from ground up for the course project for Advanced Database Systems Course under Prof. Feifei Li.

Positions of Responsibility

- **Membership Chair, ACM Student Chapter**, University of Utah (2015-2016).
- **Founding member and Chairman, Quiz Club (2015)** at DreamWorks Animation India.
- **Student Coordinator, Placement Cell (2011-2012)** - Co-ordinated a team of 13 members in the activities of Placement Cell, the student body that deals with the corporate relationships of the college.