

Aniraj Kesavan
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Masters student with 4 years of industry experience in large scale Distributed Systems, seeking challenging full time opportunities starting 2017.

Work Experience

Site Reliability Engineering Intern - LinkedIn (May 2016 - Present)

- Developing auto remediation solutions for the complex monitoring infrastructure serving millions of metrics in LinkedIn.

Graduate Research Assistant - Flux Research Group, University of Utah (Aug 2015 – May 2016)

- Publications
 - ❖ **To Copy or Not to Copy: Making In-Memory Databases Fast on Modern NICs**
A.Kesavan, R.Stutsman, R.Ricci – IMDM 2016, New Delhi (Workshop at VLDB 2016, New Delhi)
- Advised by Prof. [Ryan Stutsman](#). Current research focuses in optimizing memory layouts for modern datacenter systems leveraging RDMA and Infiniband.
- 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. Worked 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	3.46	2017
B. Tech (Computer Science and Engineering)	Govt. Model Engineering College, Cochin Cochin University of Science and Technology, India	65.26%	2012

Academic Projects

Optimizing memory layouts for modern network hardware: Active research on exploring the impacts on zero copy on storage systems over modern network fabrics such as Infiniband. Guided by Prof. Ryan Stutsman and Prof. Robert Ricci.

Network Management in public testbeds using Knowledge Graph: Course 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.

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.