

AMITA EKBOTE

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Summary

Experience: Large scale services, Systems programming and Virtualization.

Interests: Moving up the stack, Distributed Systems, Platforms and OS.

Languages: C/C++ , Ruby and other scripting languages.

Essentials: Shell, Emacs, gdb, Git.

Work Experience

NETFLIX, Los Gatos, CA July 2018 – Present

Sr Software Engineer, Titus team(Container platform)

- Work on building and maintaining the container platform using mesos on Amazon EC2.
- Work on docker registry.

MESOSPHERE, San Francisco, CA Sept 2016 – July 2018

Software Developer, Cluster operations

- Worked on making container orchestration cluster upgrades seamless.
- Worked on building DC/OS(Mesos) services such as cluster and node checks and dcos licensing.
- Contributing to open source everyday, <https://github.com/amitaekbote>.

AMAZON WEB SERVICES, Cupertino, CA Aug 2013 – Present

Software Developer, EC2

- Added support for new linux kernels for the EC2 VM Import/Export service.
- Expand the service to newer regions and automate deployments.
- Lead the effort to reduce operations pain and focus on providing a better customer experience.
- Specialized in debugging customer images which failed on boot.
- Worked with the kernel and operating systems team on next generation EC2 architecture.

CISCO SYSTEMS INC, San Jose, CA Jul 2010 – Aug 2013

Software Developer

- Added mux buffers to linecards, for multiplexing traffic between redundant supervisors.
- Augmented Cisco IOS for linecard bringup on the Catalyst 4500[®] 32 port switch.
- Bringup and traffic testing of VSS (Virtual Switching System) on single supervisor switches,
- Integrated PCIe OIR (Online Insertion and Removal) for a linecard.
- Troubleshooting process and interrupt handling for Cisco switches.

BITS NETWORKED SYSTEMS LABORATORY, Chicago, IL May 2009 – May 2010

Research Assistant, University of Illinois at Chicago Mentor: Dr. Jacob Eriksson

- Optimized long range wireless throughput by developing a new rate adaptation algorithm.
- Thesis was developed while working on the project *Xenonets: Networks of cooperating strangers*.
- Click Modular router installation and traffic testing using Ubiquiti routers with openwrt firmware. (C++)

NATIONAL CENTER FOR DATA MINING, Chicago, IL Aug 2008 – Aug 2009 Research Assistant, University of Illinois at Chicago Mentor: Dr. David Hanley

- Developed modules for Cistrack system, a lightweight laboratory information management system (LIMS).

MOTOROLA, Schaumburg, IL May 2008 – Aug 2008

Summer Intern

- Implemented the AV standards version 3 for UPNP protocol, used for DLNA in set top boxes.

Education

UNIVERSITY OF ILLINOIS AT CHICAGO, Chicago, IL

Aug 2007 – May 2010

M. S. in Computer Science.

Master's Thesis: Asymmetry Aware Rate Adaptation (AARA) algorithm .

Advisor: Dr. Jacob Eriksson.

CBIT, OSMANIA UNIVERSITY, Hyderabad, India

Aug 2003 – May 2007

Bachelor of Technology, Computer Science and Engineering.

Professional Activities

Volunteered with the organization of Amazon Women in Engineering for Grace Hopper Conference 2014.

Volunteered at March of dimes, Habitat for Humanity, and Turning wheels for kids.

References available upon request.