

Timur Alperovich (timur@timuralp.com)

PROFESSIONAL EXPERIENCE

SwiftStack

Senior Software Engineer

November 2015 - present

Primary designer and developer of the SwiftStack Hybrid Cloud and Metadata Search offerings. Hybrid Cloud allows SwiftStack customers to integrate their on-premises data storage with public vendors, such as Google and Amazon. Metadata Search enables customers to index and find data in their object stores by name or arbitrary metadata associated with each object.

Early on, I also lead the IPv6 support effort within the SwiftStack product. As part of SwiftStack, I've also made a brown bag talk on Metadata Search and presented at the OpenStack summit about Hybrid Cloud.

Bounce Storage

Member of Technical Staff

February 2015 - October 2015

Contributed in all engineering aspects of Bounce. Namely: implemented the first iteration of the policy engine; implemented the Bounce configuration REST API; helped build the OpenStack Swift front-end; implemented the second iteration of the Bounce UI. Helped with some of the Bounce outbound activities in sourcing customers and investors.

EMC

Principal Software Engineer

October 2014 - January 2015

Worked on profiling and improving end-to-end Maginatics file system performance.

Maginatics (acquired by EMC)

Senior Software Engineer

July 2013 - October 2014

Designed and implemented point-in-time file system snapshots with one other engineer (critical for the company and customers). Designed and provided a reference implementation of a service-oriented architecture. Participated in resolving customer support cases. I also developed tools for the QA engineers to improve testing efficiency.

Software Engineer

May 2012 - July 2013

Implemented high availability for the Maginatics file system. The feature was critical to the first customer and implemented on a two week schedule. Implemented a horizontally scalable architecture.

Open Source Work

Check out my github and openhub accounts for my open source work.

EDUCATION

University of Michigan (advisor: Brian Noble)

M.S., Computer Science, May 2010 (left the PhD program in April, 2012)

Worked on wireless networking, passive network measurements, mobile systems.

University of Massachusetts Amherst

B.S., Computer Science, May 2008; B.S., Physics, May 2008

SELECTED PUBLICATIONS

Intentional networking: opportunistic exploitation of mobile network diversity

Brett D. Higgins, Azarias Reda, *Timur Alperovich*, et al.

MobiCom 2010 (Conference on Mobile Computing and Networking)

The Case for Elastic Access

Timur Alperovich and Brian Noble

MobiArch 2010 (Workshop on Mobility in the Evolving Internet Architecture)