

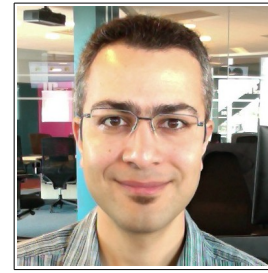
Mohsen Hariri

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Education

- 2008-2010 KTH University, Master's Degree of Software Engineering of Distributed Systems

Thesis Title:

tuxStream: A Locality-Aware Hybrid Tree/Mesh Overlay For Peer-to-Peer Live Media Streaming”

- 2000-2005 Shiraz University, Bachelor's Degree of Computer Software Engineering

Employment History

- **August 2014 – Present:** Working as a Research and development engineer at IPsoft. The company's vision is to automate all processes in IT infrastructure and business operations, freeing engineers and technologists to focus on creative endeavors and innovation. In IPsoft, I have been working with creating the continuous delivery pipeline for their main product, IPcenter. I have also been involved in the creation of their new products and solutions.

- **July 2009 – July 2014:** Working as a System Architect for Seamless Distribution AB. Previously I held Java Developer/Technical Team Leader positions at the same company. Seamless services tens of millions of users with mobile topup and mobile-money solutions, with processing requirements as high as 800 transactions per second. I have been working on these projects:

1. *SEQR*: A new mobile payment method, already deployed to thousands of shops in Sweden and Romania. For more information, visit <http://seqr.se>.
2. *ERS 360*: The core product of the company, providing electronic and voucher based topup solutions.

Most popular technologies in Seamless are Java, MySQL and zookeeper all running under Linux systems. For more information, visit <http://www.seamless.se>.

- **April 2003 - August 2008:** Co-founded Parspooyesh company together with two of my friends. I was involved in all aspects of projects, from development to support, which has left me with a good grasp of life-cycle and risks in a software projects. Following is a short description of the main projects:

1. *Aseman Ticketing and Accounting System (2005 – 2008)*
The project is a ticket tracking and accounting software for Aseman Airlines, the second largest airline in Iran. The project was developed in object oriented PHP and partly Java.
2. *IBS(2003-2008)*
An ISP Billing Software, used by ISP's to track user credits and apply management

policies. It is built in Python and has both open-source and commercial versions. It is now being used in more than 150 ISPs inside Iran. (opensource version homepage: <http://ibs.sf.net> - more information: [ParsPooyesh IBSng Page](#))

- **August 2002 - March 2003:** 19 months in AVAPajooohesh Co. (<http://www.avapajooohesh.com>) worked as a developer in multiple projects, most notable technologies were MS Visual C++, SQL Server, Borland Cbuilder, Java.

Related Experience

- My graduate thesis was on live media streaming, in which we proposed and implemented a new protocol named tuxStream, a hybrid (mesh/tree) push-pull solution for streaming of live media content. The project was done at [SICS](#) (Swedish Institute of Computer Science).
- My undergraduate project was working on an open-source decompiler project, and currently I am a project committer (Project homepage: <http://boomerang.sf.net>)
- I have many small programs ready to be downloaded at my website, an interesting one is my Multimedia course project which was a game using Speech Recognition. The project was written in Microsoft Visual C++ and used Microsoft Speech Recognition Engine. (http://mhariri.info/course_projects.php)
- Along providing accounting solutions for ISPs, I have worked in many support positions for contracted ISPs, which has left me with a deep knowledge of networking infrastructure, problems and solutions, and the underlying details of Linux operating system.

Skills

Programming Languages

- **Excellent:** Java(Spring, JPA, and also under Android), JavaScript (AngularJS, jquery)
- **Pretty-well:** C/C++, PHP, Python

Operating systems

- Excellent understanding of Linux and its services, particularly RHEL/CentOS and Ubuntu
- Experience in advanced Internet/network concepts under Linux such as routing and traffic control
- Familiar with Docker

Other

- Experience in fundamentals of distributed systems and NoSQL solutions
- Source Control: experienced in Subversion and Git
- Experience in message queue solutions using RabbitMQ and ActiveMQ
- Familiar with different Database Management Systems, such as PostgreSQL and MySQL
- Expert in Agile concepts and the related technology best practices such as continuous delivery and TDD