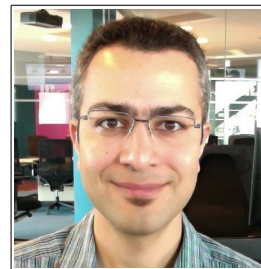# Mohsen Hariri

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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

- **Research and development engineer at IPsoft**

  August 2014 – Present

  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.

  At IPsoft, I have been working with all three products of the company: Amelia, IPcenter and Apollo, ranging from creating the continuous delivery pipeline for their main product, IPcenter, to building a framework for black-box testing of Amelia.

- **System Architect at Seamless Distribution AB**

  July 2013 - July 2014

- **Developer/Technical Team Leader at Seamless Distribution AB**

  July 2009 - July 2013

  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 system, 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.

- **Co-founder at Parspooyesh**

  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 that 150 ISPs inside Iran. (opensource version homepage: http://ibs.sf.net - more information: ParsPooyesh)

- **Java Developer at AVAPajoohesh Co.**
  August 2002 - March 2003
  Worked as a developer in multiple projects, most notable technologies were MS Visual C++, SQL Server, Borland Cbuilder, Java.

Entrepreneurial Activity

- 2016 – vphone: make and receive calls on two numbers using one phone. http://vphone.io/

- 2014 – Shoppistant: compare products in the store. http://www.shoppistant.com/

- 2003 – ParsPooyesh: creating ISP accounting software. http://parspooyesh.com/

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)

- 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**:**

Java (Spring, JPA, JAX-RS, and also under Android) **[excellent]**, JavaScript (AngularJS, React, jquery) **[good]**, Python **[good]**, C/C++ **[good]**, PHP **[good]**

Operating systems

- Excellent understanding of Linux and its services, particularly RHEL/CentOS and Ubuntu

- Hands-on experience in advanced Internet/networking concepts under Linux such as routing and traffic control

Other

- Expert in Agile concepts and the related technology best practices such as continuous delivery and TDD