

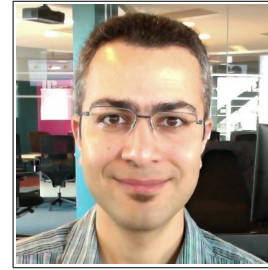
Mohsen Hariri

Lars Forssells gata 33
11215 Stockholm
Sweden

Phone No: +46 725857312

Email: m.hariri@gmail.com

LinkedIn: <https://www.linkedin.com/in/mohsenhariri/>



Skills

Programming Languages:

Java (Spring, JPA, JAX-RS) [**expert**], Bash [**expert**], JavaScript (AngularJS, React) [**intermediate**], Python [**intermediate**]

Tools:

MySQL [**expert**], Docker [**expert**], Redis [**expert**], ZooKeeper [**intermediate**], Maven [**expert**], RabbitMQ [**intermediate**]

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
- Highly experienced in microservices, API design and application performance analysis and improvement

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.

My contributions and achievements:

- Build a performance test framework for Amelia using Java flight recorder, [perf](#) + [flamegraphs](#) and recently [flamescope](#) to verify quality and pinpoint bottlenecks. Removal of a few identified bottlenecks resulted in 12x speed up in startup time of one component and 80x speed up in a critical path in Amelia's processing
- Design a framework for end-to-end testing of Amelia for each pull-request using docker, delivering a higher confidence in quality of each proposed change
- Automate setup of development environment for IPcenter, decreasing time spent to prepare development environment from days to a few minutes

- **System Architect at Seamless Distribution AB**

July 2013 - July 2014

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

July 2009 - July 2013

Designing and managing a financial system for mobile operators with performance requirements as high as 1000+ monetary transactions per second. Most popular technologies in Seamless are Java, MySQL and zookeeper all running under Linux systems.

My contributions and achievements:

- Moving a system from a monolith to a microservices architecture (that was before microservices became a popular term) which resulted in an easier to maintain product and increased the performance from ~10 tps to +1000 tps
- Designing and implementing a reporting/reconciliation system capable of processing hundreds of millions of transactions per day

- **Co-founder at Parspooyesh**

April 2003 - August 2008

Co-founded Parspooyesh company together with two of my friends. The startup grew to more than 20 software developers. Technologies: Linux, Python, PHP, PostgreSQL

- **Java Developer at AVAPajooresh Co.**

August 2002 - March 2003

Worked as a developer in multiple projects. Technologies: 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](http://www.sics.se) (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.

Education

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