M. AMIR MOULAVI

CONTACT INFORMATION

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EDUCATION

MSc, **Kungliga Tekniska Högskolan (KTH)**, Stockholm, Sweden
Software Engineering of Distributed Systems, (Sep. 2008 - present)

BSc, **Azad University of Mashhad (IAUM)**, Mashhad, Iran
Software Engineering, (Sep. 2002 - Aug. 2006)
- Thesis: *Agent-based Distributed Resource Management for Large Scale Grid Computing Systems*
- GPA: Overall: (3.63/4)

GOAL

Undertaking *enterprise/research* projects that require *creative* and *problem solving* team members.

PROFILE

I am a *motivated self-starter*, *proactive*, *flexible* and *hard-working* engineer that is able to learn new technical skills quickly. I am *trustworthy* and have good sense of responsibility and continuously improve my work efficiency. My teammates, see me as an *open* and *active* team player who is able to work in an extremely fast pace and handle emergent issues.

PROFESSIONAL EXPERIENCES

2009 dec. - present
- Core Architecture/Server side Developer, **Squace Mobile Solution AB**, Stockholm, Sweden
    - **Squace**: Technology-wise Squace is a server-based solution with extremely thin native clients for Iphone, Android, Java, etc. I am developing in the server side core.

2005-2008
- Researcher & Developer / Consultant / System Engineer, **Ferdowsi University of Mashhad**, Information Technology Services (ITS) Center, Mashhad, Iran
    - **Ferdux**: (FERDowsi University linuX), researched and customized the linux distribution of the campus, worked on its wide-scale automatic installation and configuration.
    - **Simorgh Cluster**: researched, set up and maintained a HPC linux cluster.
    - **Internet Kiosk**: a light version of Ferdux for internet kiosk at the university campus.
    - **Traffic Shaper**: researched and set up an open source bandwidth management and traffic shaper for the university campus.
    - **Inter-Grid**: designed a super scheduler job submitter for Simorgh cluster and Mathematical department.
    - **Expert System**: designed and implemented a course advisor expert system using fuzzy inference engine.

2006
- Technical Architect, Rajman Company, **IT & Science Park of Mashhad**
    - designed and brainstormed a collaboration suit for govermental organizations.

2005-2006
- Teaching Assistant
    - Data Structures and Algorithms in C++, **Islamic Azad University of Mashhad**, Mashhad, Iran

- Database Management System Laboratory, **Islamic Azad University of Mashhad**, Mashhad, Iran
- Concurrent Programming, **Imam Reza University**, Mashhad, Iran

2004-2005
- Developer/Consultant, **ICT department of municipal of Mashhad**, Iran
  - designed and implemented an online job searching portal.

PUBLICATIONS	Please refer to: http://amirmoulavi.com/publications.html

HONORS, MEMBERSHIPS, PROFESSIONAL ACTIVITIES	Honors during four years of study as a BSc student:

- **Senior Researcher**, Networking Deparmtent, Ferdowsi University of Mashhad *(june 2005 - september 2008)*
- **Founder**, *High Performance Computing Center (HPCC)*, Information Technology Services (ITS) Center, Ferdowsi University of Mashhad *(2005)*
- **Director**, *Computer Students' Scientific Committee* (CSSC) Research Section, Computer Engineering Department and IT Department, Islamic Azad University of Mashhad *(Sep. 2004 - Sep. 2006)*.
- **Chair**, *IEEE Student Club*, Islamic Azad University of Mashhad *(Nov. 2005 - Nov. 2006)*.
- Awarded as an *Outstanding* BSc Student, Computer Engineering Department, Islamic Azad University of Mashad, Mashad, Iran,*(2006)*.
- *Top %2* of Accepted Students in University Entrance Examination (**UEE**) for BSc Degree, Mashhad, Iran. *(2002)*.
- Renowned Member of *Young Researchers Club*, Islamic Azad University of Mashhad. *(2005-2008)*

Selected memberships:
- Member of Young Iranian Elites Association, *(2007-present)*
- Student member of **IEEE, Computer Society** *(2005-present)*
- Student member of **ACM**, Honory Membership *(2005-present)*
- Renowned Member of **Young Researchers Club**, Islamic Azad University of Mashhad *(2005-present)*

Professional Activities (Member of Technical Program Committee (TPC), External Reviewer, Executive Member):
- please refer to: http://amirmoulavi.com/professional.html

COMPUTER SKILLS	*Java and beyond*:

- Java SE, Java ME, Spring, Hibernate, Stripes, JUnit, Networking (java.net, Applets, SNMP), Distributed Programming (RMI, IDL, JavaME), JAX-WS, JDBC, JPA, JavaMail, Java Message Service, GUI (AWT, SWT), JSP, JNDI, EJB, Servlets, JavaBeans, Quartz, Vaadin.

Other programming languages:
- C/C++ (system programming), C# (console/web/windows programming), Python (system programming)(F[1]), Erlang, Bash Scripting, MPI (Message Passing Interface), GTK+(F), ASP.NET(F), HTML, XML, XSLT, SQL.

Operating Systems:
- Linux
  - Desktop/Server: Debain, Slackware, Kubuntu/Ubuntu, Red Hat Enterprise, Fedora Core, Sabayon, Knoppix, Kuliax, MEPIS, PCLinuxOS, Puppy
  - Mobile Distros: OpenEZX, MontaVista
  - X Window System: KDE, Gnome, XFCE, Enlightenment 16/17, WindowMaker
- Microsoft Platform: Windows(98/2000/XP/Vista), Server(2000, 2003)

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[1]Familiar with this topic and some experiences

- BSD: FreeBSD
- Solaris: Solaris 10(F)

Tools:
- Building tools: Maven, Ant, Hudson
- Software Methodologies: Scrum, Kanban, RUP.
- Cluster/Grid Tools: FAI(F), Cfengine(F), OSCAR
- Database: Postgres, MongoDB, Neo4j, MySQL, SQL Server, Access, Sqlite
- Directory Service: LDAP (server & client)
- Documentation Tools: BibTeX/TeX/LaTeX, Lyx, Kile, OpenOffice Writer, OpenOffice Impress, MS Word, MS PowerPoint
- Grid Middlewares/Tools: GridBus, Globus, Condor, TORQUE Resource Manager, PBS, Maui Cluster Scheduler, Ganglia, Sun Grid Engine (SGE), GridSim
- IDEs: Eclipse, NetBeans, Kdevelop, MS Visual Studio
- P2P Simulation: Kompics
- Parallel/Distributed/Grid Programming: LAM/MPI, MPICH, MPI-G2(F), PVM(F), OpenMPI, OpenMP, Jade, Ibis(F), Explicit Multi-Threading (XMT)(F), Universal Parallel C (UPC)(F), Alchemi(F)
- Productivity Tool: Freemind
- Programming tools: Subversion, git, JUnit(F)
- Services: Bind, Postfix Mail Agent, NFS Server, Samba Server, Apache, SSH, Traffic Control (TC), FTP
- Security: Snort, Nmap, TCPDump, Sploit (for testing exploits), IPTables, Kerberos
- Simulation: Arena
- Software Management: Task Juggler, Microsoft Project
- Supercomputer: Bluegene, DAS2
- Virtulization & Emulation: Virtual Box, VMware, Wine, Qemu

LANGUAGE
SKILLS

English: Fluent
Persian: Mother Tongue
Arabic: Upper Intermediate
Swedish: Learning at the moment

RESEARCH
INTEREST

Primary Research Interests:
- Grid Computing, Cloud Computing, HPC Computing, Distributed Systems and Algorithms, Multi Agent Systems