

# Vahid Rahimian

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## Summary of Qualifications

- More than 15 years of experience in software design and development
- Extensive experience in leading a team of software developers toward a product's roadmap
- Extensive knowledge and experience in architectural design of high-performance back-end systems
- Excellent analytical skills for problem solving and ability to apply different perspectives toward a single problem

## Academic Research Interests

- Software Architecture / Cloud Architectures / Micro-Services
- Software Development Methodologies / Refactoring / Software Product Line
- Social Networks
- Mobile Identification / Mobile Payment Systems

## Education

- **Sharif University of Technology**, Tehran, Iran  
Ph.D. in Software Engineering (2017-Present)  
Advisor: Prof. J. Habibi
- **Allameh Tabataba'i University**, Tehran, Iran  
M.Sc. in Religious Studies on Quran and Hadith (2012-2013)  
GPA: 18.80 (of 20)
- **Sharif University of Technology**, Tehran, Iran  
M.Sc. in Software Engineering (2005-2008)  
GPA: 18.78 (of 20)  
Thesis title: "Performance Evaluation of Mobile Software Systems"  
Advisor: Prof. J. Habibi
- **Sharif University of Technology**, Tehran, Iran  
B.Sc. in Computer Engineering - Software (2001-2005)  
GPA: 17.83 (of 20)

## Honors and Awards

- **Ranked 2<sup>nd</sup>** in nation-wide PhD entrance exam for Software Engineering and Algorithms (among 3,300 participants), 2017.
- **Ranked 2<sup>nd</sup>** among 35 M.Sc. Quran and Hadith students (in cumulative GPA), Allameh Tabataba'i University, 2013.
- **Member of Scientific Committee** of 1<sup>st</sup> and 2<sup>nd</sup> Mobile VAS Conference, held by Center for Technology Studies - Sharif University of Technology, 2011 and 2012.
- **Identified as Elite** by Iran's National Foundation of Elites, 2008.
- **Ranked 1<sup>st</sup>** among 20 M.Sc. Software Engineering students (in cumulative GPA), Sharif University of Technology, 2007.
- **Ranked 22<sup>nd</sup>** in the nation-wide M.Sc entrance exam for Software Engineering (among 11,000 participants), 2005.
- **Ranked 3<sup>rd</sup>** among 60 B.Sc. Computer Engineering students - Software major (in cumulative GPA), Sharif University of Technology, 2005.
- **Ranked 23<sup>rd</sup>** in nation-wide entrance exam for B.Sc degree (among 450,000 students in Mathematics and Physics field), 2001.

## Professional Experience

- **Dec. 2005 – Present, Hasin Technology Co., Tehran, Iran.**  
Member of the Board and Technical Director.

General responsibilities include Research & Development, Project Management, Product Roadmap Planning, Human Resource Management, Technical Recruitment, Knowledge Management, and Financial Control.

- Execute Director at *myket* android store
- Technical Lead of Smart Card / SIM card business unit
- Project Manager of *USSD Mobile Banking* project, deployed for Maskan Bank
- Technical Tester of *Testing of SIM Cards Regarding Value Added Services* project, in association with AICTC (Sharif University)
- Project Manager of *Non-Banking Card Payment System for Shopping Centers* system, deployed for *Pasargad Payment Electronic Co.*

- Chief Consultant of *User-Acceptance Test of JWare Payment Switch* project, performed for *Pasargad Payment Electronic Co.*
- Chief Researcher of *Developing National Guiding Statement for Iran National Smart-Card ID* research project, performed for *Iran Telecommunication Research Center (ITRC)*
- Head of Development of *Pre-Personalization System with Smart Card as HSM Device*, deployed for Mellat Bank
- **May. 2006 – Mar. 2007, Iran Telecommunication Research Center (ITRC), Tehran, Iran.**
  - Project Manager of pilot deployment of *Multimedia Messaging Service (MMS) Center* project
  - Research Director of *Developing SMS/MMS Enterprise Applications Based on Open Source Software* research project
- **Aug. 2004 – Dec. 2005, Mahd Collaboration of Researchers, Tehran, Iran.**
  - Head of development *team in Multimedia Messaging Service Center (MMSC)* project

## Skills and Proficiencies

- Supervision
  - Project planning
  - Project management
  - Lead programming
  - Team supervision
- Software Development Process
  - Process management with Scrum
  - Software development methodology enforcement
  - Product roadmap design
  - Product ownership / backlog management
  - Continuous build and integration
- Software Architecture
  - Design of high-performance enterprise software systems
  - Service Oriented Architecture / Design
  - Design micro-services in cloud application architectures
- Programming
  - Object-Oriented programming with Microsoft C# .Net
  - Aspect-Oriented programming
  - RESTful web service development with Microsoft Web API framework
  - Database programming with Microsoft SQL Server, and No-SQL technologies
- Embedded System Programming

Smart-Card application development based on Java Card technology  
Banking / Payment software development  
USIM application development  
Interoperable software design / implementation based on  
standardized specifications

## Publications

- V. Rahimian, M. Arasteh, “[Delivering Location Based Services in Iran: Challenges and Solutions](#)” (In Persian), in *Proceedings of 1<sup>st</sup> Annual Mobile VAS Conference*, 2011.
- V. Rahimian, J. Habibi, “[MPaySmart: A Customer Centric Approach in Offering Efficient Mobile Payment Services](#)”, in *Proceedings of the 2008 IEEE Asia-Pacific Services Computing Conference (APSCC'08)*, 2008, pp. 1038-1043.
- V. Rahimian, J. Habibi, “[Performance Evaluation of Mobile Software Systems: Challenges for a Software Engineer](#)”, in *Proceedings of 5<sup>th</sup> IEEE International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2008)*, 2008, pp. 346-351
- V. Rahimian, R. Ramsin, “[Designing an Agile Methodology for Mobile Software Development: A Hybrid Method Engineering Approach](#)”, in *Proceedings of Second IEEE International Conference on Research Challenges in Information Science (RCIS'08)*, 2008, pp. 337-342.
- H. Foroughmand, V. Rahimian, M. Ghodsi, “[Coordination Mechanism for Selfish Scheduling, Review from Average Perspective](#)” (In Persian), in *Proceedings of 12<sup>th</sup> International Computer Conference of CSI (CSICC'07)*, 2007.
- H. Rabiee, J. Muhammadi, B. Rahmati, M.A. Ardestani, H. Samadi, V. Rahimian, M. Makki, E. Abdollah Zadeh, L. Beig, “[A Guide to Free / Open-Source Enterprise Software Applications](#)” (In Persian), Part 4: SMS/MMS, Chapters 13 to 16, 2006, pp. 577-732.
- H. Sheikh Attar, V. Rahimian, G. Jaberipur, N. Norouzi, “[Design and Implementation issues for the MobFish](#)”, in *Proceedings of 12<sup>th</sup> International Conference on Distributed Multimedia Systems (DMS'06)*, 2006. pp. 17-22.

## Teaching Experience

- Instructor of half-day “*Two-Factor Authentication Workshop*” at 2<sup>nd</sup> Annual Mobile VAS Conference, 2012.
- Instructor of one-day “*LBS (Location Based Services) Workshop*” at 1<sup>st</sup> Annual Mobile VAS Conference, 2011.

- Teaching Assistant for “*Discrete Mathematics*” course, Computer Engineering department at Sharif University of Technology, Fall and Spring 2005, Instructor: Dr. Zarei.
- Teaching Assistant for “*Theory of Languages and Automata*” course, Computer Engineering department at Sharif University of Technology, Fall 2005, Instructor: Dr. Ali Movaghar.
- Teaching Assistant for “*Theory of Languages and Automata*” course, Computer Engineering department at Sharif University of Technology, Fall 2004, Instructor: Dr. Izadi.
- Teaching Assistant for “*C Programming Language*” course, Computer Engineering department at Sharif University of Technology, Fall 2003, Instructor: Dr. Izadi.

## Language Proficiency

- Persian    Fluent, native
- English    Fluent  
               TOEFL paper-based, March 5<sup>th</sup> 2005  
               Total: 593/677,  
               Listening: 58/67, Structure: 60/68, Reading: 60/68, TWE: 4/6.

## Interests and Activities

Reading (literature, poetry and novel) is my best favorite. I also take pleasure in listening to different types of music.

Among sports I prefer soccer, ping-pong, and biking. I also enjoy playing chess and watching soccer games.

>> *Additional information are available upon request.*