

Bahman Zamani, Ph.D.

Department of Computer Engineering
Faculty of Engineering
University of Isfahan
Hezar-Jerib, Isfahan 81746-73441, Iran
Phone: +98-311-7934537
Fax: +98-311-6682887
Web Site: bahmanzamani.com
Email: info@bahmanzamani.com

SUMMARY OF QUALIFICATIONS

- Experienced computer professional with over 15 years of progressive experience in software projects
- Organized, friendly, enthusiastic, self-motivated, quick learner, proven multi-tasking, hard-working, able to work independently as well as a team member, problem-solving skills, strong interpersonal communications, proven effectiveness in teamwork and working under pressure and overtime
- Excellent ability to plan, organize, and prioritize the tasks to meet the deadlines

SKILLS

Expert on:

- Object-Oriented Analysis and Design:
 - UML 2.0, UML Profiles, Object Constraint Language (OCL), Pattern Languages (Analysis, Design, and Architectural Patterns), Domain Specific Modeling Languages (DSML), Design Critiquing, Design Rationale, Design Refactoring
- Software Process:
 - Heavyweight Methodologies (e.g., CMM, RUP), Lightweight (Agile) Methodologies (e.g., XP, Scrum), Model-Driven approaches (e.g., MDD, MDA, MDE)
- Software Quality Concepts:
 - Verification & Validation techniques, Blackbox vs. Whitebox testing, Model Checking, Formal Methods.
- Software Project Management:
 - Software Project Management Plan (SPMP), SWEBOK
- Tools:
 - Eclipse, JUnit, ArgoUML, OCLE
 - Microsoft applications (Office, PowerPoint, Visio, Project)
 - Latex
- Languages:
 - Assembly, Fortran, Pascal, Cobol, PL/I, SQL

Knowledgeable about:

- Operating Systems: Unix (Fedora), Windows NT Server/ 2000/XP/Vista
- Languages: Java
- Database: Microsoft SQL Server, MySQL, Oracle
- Network Protocols: TCP/IP, HTTP, NAT, Firewall, DNS, PPP, DHCP, SMTP

- Applications: NetBeans, Rational Software Architect (RSA), X Windows

PROFESSIONAL EXPERIENCE

University of Isfahan

09/2009 – present

Assistant Professor, Associate Chair of Academic Affairs, Dept. of Computer Engineering

Teaching undergraduate computer courses

- Introduction to Programming
- Programming Languages
- Software Engineering I & II
- Theory of Languages and Automata
- Technical Presentation

Teaching graduate computer courses

- Advanced Software Engineering

Supervising Students

- 6 MSc
- 1 PhD

Talks & Workshops

- Latex Introduction
- Typesetting Academic Papers using Latex
- Computer Science vs. Software Engineering
- Model-Driven Software Engineering
- Pattern Language Verification
- Plagiarism in Academia
- Agile Software Development Methodologies

Concordia University

01/2004 – 06/2009

PhD Student

- Course Work
 - Software Design Methodologies (Focus on OO Design)
 - Software Measurements - Theory and Practice
 - Foundations of Semantic Web
 - Operation Research (Linear Programming)
 - Academic Writing
 - Thesis
 - First Proposal: Knowledge Management in Agile Methodologies
 - Second Proposal: Quality Assessment of UML Models
 - Thesis Title: On Verifying the Use of a Pattern Language in Model-Driven Design
 - Teaching Assistant
 - Undergraduate courses: Software Process, Introduction to Theoretical Computer Science
 - Member of Academic Hearing Panel (AHP)
 - Instructor of the "Latex Workshop" for graduate students
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Iranian Research Organization for Science & Technology (IROST), Isfahan, Iran

01/1998 – 12/2003

Faculty Member of the Dept. of Electrical and Computer (01/1998 - 12/2003)

- Reviewing and evaluating the research/pilot plant project applications
- Proposing and running research projects
- Design and Implementation of Windows-Based Projects Information System (WBPIIS) for IROST
Development environment: Delphi, Windows, Paradox
- Design and Implementation Isfahan Province Telecommunication Company web site (Isfahantelecom.com)

Manager of the Dept. of Information Technology (01/1999 - 12/2003)

- Hardware, software, and network maintenance
- Design and installation of paperless office
Platforms: Novell NetWare, Windows NT/2000 servers, Microsoft Exchange server, Windows 98/XP Clients

Member of Academic Council (01/2002 - 12/2003)

- Reviewing and decision making on the research/pilot plant project applications

Iranian Scientific Network, Manager of Isfahan Province (03/1992-08/1994)

- Installing the Intranet backbone equipments in the telecommunication sites (Tellabs, Cisco)
- Installing the hardware/software equipments for universities
- Providing Internet/Intranet services for universities

Head of the Steering Committee for Supervising the Intranet Project for Isfahan Province (06/2002-12/2003)

- Supervision of four major projects: Backbone, MIS, Office Automation, GIS

Islamic Azad University of Najafabad , Isfahan, Iran

09/1997 – 12/2001

Sheikhbahaee Private University, Isfahan, Iran

09/1998 – 12/2003

Teaching undergraduate computer courses

- Introduction to Programming
- Advanced Programming
- Programming Languages
- Principles of Compiler Design
- Theory of Languages and Automata

Taminn Computer Services Company (Subsidiary of SSO), Tehran, Iran

06/1995 – 02/1997

Manager of the Dept. of Research and Education

- Planning and running the training courses and seminars for supervisors of Iran SSO branches (about 300 branches) which were users of the SSO's New Computerized system

Hooshafzar Computer Engineering Company, Isfahan, Iran

09/1990 – 09/1994

Member of the Board of Directors, CEO, and Software Dept. Manager

- Managing and synchronizing the activities of all four departments:
Software, Hardware, Sales, and Maintenance
- Developing software applications including Accounting and Payroll systems
- Developing software applications including Accounting and Payroll systems

Development environment: MS-DOS, FoxPro, Clipper

EDUCATION

- 2009: *Ph.D. in Computer Science - Software Engineering*, Concordia University, Montreal, Canada
Thesis: On Verifying the Use of a Pattern Language in Model-Driven Design
- 1997: *M.Sc. in Computer Engineering – Software*, Sharif University of Technology, Tehran, Iran
Thesis: A Software for Symbolic Execution of Programs
- 1990: *B.Sc. in Computer Engineering – Software*, University of Isfahan, Isfahan, Iran
Project: Action Diagrams

PUBLICATIONS

- 2009, "*Describing Pattern Languages for Checking Design Models*," APSEC 2009 Conf. Proceeding, pp. 197-204.
- 2009, "*Tool Support for Pattern Selection and Use*," ENTCS, vol. 233, pp. 127-142.
- 2008, "*A Pattern Language Verifier for Web-Based Enterprise Applications*," MODELS2008 Conf. Proceeding, pp. 553-567, Toulouse, France.
- 2007, "*Smell Detection in UML Designs which Utilize Pattern Languages*," IJECE, vol. 8, no. 1, pp. 1-6.
- 2007, "*Critiquing the Application of Domain Specific Languages on UML Models*," QIM Workshop Proceeding, pp. 18-33, Nashville, TN, USA.
- 2002, "*Regional Information Sites on Iranian Scientific Network Backbone*";
- 1st Conference of Iranian Scientific Network; Tehran, IRAN.
- 2001, "*A Software for Symbolic Execution of Programs*," CSICC2001, Conf. Proceeding, Isfahan, IRAN.

REFERENCES

Available upon request.