

Pouya Ebadollahyvhed's Resume

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PROFILE

A self motivated, energetic, dynamic and adaptable Electronics Engineering graduate with sound experience in Energy metering fields and Software development.

EDUCATION

Graduation Date	Level and Course	Final Grade	University
Feb. 1999	Bachelor of applied science in Electronics Engineering	16.07 out of 20	Tabriz University www.tabrizu.ac.ir

KEY SKILLS and QUALIFICATIONS

Management

- Acceptable knowledge of project control and management: Time, Quality, Risks and Cost

E-Metering

- In-depth understanding of AMR, AMM and AMI concepts, modules and network topology
- Good knowledge of head end software/MDM/MDR
- Having know-how of designing smart meters including their metrology, telecommunication part and anti-tamper features
- Good knowledge of metering standards: IEC 62052, IEC 62053 and IEC 62058
- Familiarity with metering protocol: *DLMS/COSEM*
- Familiarity with HAN, LAN and WAN communication methods like ZigBEE family of radio networking
- Good knowledge of Grid Metering concepts and standards
- Good knowledge of grid level meters: EDM1-MK6E, Actaris-ACE6000, Actaris-SL7000 and their software including Eziview, AIMSPRO, ACE Vision and Hermes
- Class 0.5 and 0.2 meters accuracy and error test instruments: MTVS and ZERA
- Familiarity with static meters: ION8600, Elster- α 1500 and Elster- α 1700

Power Engineering

- Familiarity with SCADA protocol's anatomy: *Modbus* and *DNP3*
- Familiarity with power plant and substation equipments (indoor and outdoor)
- General familiarity with SCADA and Dispatching systems

Software Development Concepts and Technologies

- Software development methodologies & processes: RUP/UML (UML 2)
- Computer languages: C, C++, C#, SQL (T-SQL), Assembly (x86, 68K)
- Firmware Programming in C/C++ for STM32 (ARM-Cortex Core) family of Microcontrollers
- Programming foundations/Frameworks: MFC, ATL (COM/ActiveX development), .NET 4.0
- .NET Foundations: Windows Presentation Foundation (WPF), LINQ (To Objects and to ADO.NET) and Windows Workflow Foundation (WF)

- Data Base design, administration and maintenance including development of stored procedure, UDFs, triggers, backup and recovery plans: SQL Server 2000, 2005 and 2008
- Database connectivity techniques: ODBC, DAO, ADO, ADO.NET, Embedded SQL
- Libraries: Open GL for Graphics and TAPI 3 for telephony application development
- Advanced network programming using Socket interface
- In-depth understanding of IPC, RPC, multi threading and multi processing concepts and techniques both on Linux and Windows
- Concepts of development of optimum, reliable and robust Software/ Firmware
- Concepts and architecture of multi tier computing
- Development of kernel mode device drivers for Linux and Windows NT using DDK
- Development of GIS Software using "Map Objects"; a GIS engine by ESRI Inc.

Software Development Tools and Applications

- Microsoft Visual Studio 5 to 2010 (.NET) IDE and tools
- Microsoft SQL Server 2000 to 2008SP2 (and Management Studio)
- Rational Suite 2000 and 2003 (Rational Rose, Requisite Pro, SoDA)
- Power Designer 9 to 15
- Crystal Reports 9
- Protel Electronics designing Software 1999
- Gcc, Make, gdb and ddd
- Eclipse, Emacs and Joe
- CVS
- PostgreSQL, Mysql (General Familiarity)
- Samba and NFS (General Familiarity)
- Lex and Yacc (General Familiarity)
- μ Vision 3.0 and other KEIL tools for cross programming for STM32F10x Microcontrollers family

Software Application and Systems (General)

- Operating Systems: Windows 9x to 7; UNIX FreeBSD 4,5; Linux Debian 5 (Lenny) and Slackware 10 (GNOME and KDE), Amiga Workbench 2
- Microsoft Office Products (Access, Excel, Word, Power Point, MS Project)
- Adobe Photoshop 5 to CS2

Languages

- Good command of English language
- Fluent in Persian language: native language
- Fluent in Turkish language: mother tongue

MAJOR PROJECTS

- Design and Development of smart single and poly phase meters and related equipment like DCU (Data Concentrator Unit), local PC Software and Test Procedures/Tools
- Development of a small AMR system for metering office of IGMC (Iran Grid Management Company, affiliated to the Energy Ministry of I.R. Iran)
- Management of software projects in the field of power engineering: "Load Flow", "Unit Commitment", "Short Term Load Forecast", "Bus Load Forecast" and "SCUC"
- Analyze, design and implementation of components and ad-hoc applications for the Electric power market of IRAN
- Development of controller software of automated "20 KV Radio Recloser" system for Hormozghan electric company
- Development an IVR (Interactive Voice Response) system for the electric companies of IRAN
- Development of software components for the HUB module of the ground stations of Venus Sat. System

- Design and implementation of software system of “Oil Pump Test Rig” machine for Sane Engine Manufacturing Co.
- Design and implementation of software system of “Air Cleaner Test Rig” machine for Milan Filter Manufacturing Co.
- Automation of “Paper Turbo Plant” production line of Atlaspood Textile Co.
- Development of software controller modules of the automated conference room system for the medical faculty of Tabriz university
- Design and implementation of “budget and planning” software for the medical faculty of Tabriz university
- Design and implementation of an optical character recognition system (OCR) to scan handwritten digits

EMPLOYMENT HISTORY

Full Time

Duration	Company	Major Field of Activity	Position
Aug. 2010 up to Present	PaudRaad Industrial Group (www.PaudRaad.com)	<ul style="list-style-type: none"> • Designing smart LVCT, HVCT, DC Poly and Single Phase Meters • Cooperating with esteemed companies from Sweden, Germany, Hungary, UAE and China as partners in just one project 	R&D Manager
Jan. 2008 up to August 2010	Electric Power Technology Development Centre (MATN) (www.MATN.com)	<ul style="list-style-type: none"> • Developing Software • Administrating DBs • Researching on AMM systems • Installation and Commissioning Grid Meters in around 30 power-plants and 600 HV substations 	Field Engineer & Project Manager (Metering Dept.)
Oct. 2004 up to Jan. 2008	MATN (www.MATN.com)	<ul style="list-style-type: none"> • Managing IT dept. and Software projects 	Deputy Manager of IT Dept.
July 2002 up to Oct. 2004	MATN (www.MATN.com)	<ul style="list-style-type: none"> • Coordinating Software projects • Developing telephony applications • Designing and administrating DBs 	Developer and Project Manager
Aug. 2001 up to March 2002	Iran Telecommunication Research Center, [Affiliated to the ICT ministry of I.R. Iran] (www.itrc.ac.ir)	<ul style="list-style-type: none"> • Analyzing and designing Software systems • Porting applications from Win32 to Unix Free BSD • Developing applications on Unix Platform 	Unix Analyst, Designer and Programmer
March 99 up to Aug. 2001	Sarmad Co. (www.sarmadco.com)	<ul style="list-style-type: none"> • Analyzing and Modeling Software Systems • Developing Win32 Applications • Developing COM Objects • Implementing Data Base Applications 	Win32 Analyst and Programmer

Part Time

Duration	Company	Field of Activity	Position
May 2008 up to Present	Rayaneh Magazine (www.rayanehmag.net)	Dealing with Editorial board and arranging articles for publication	Editor in Chief
July 2004 up to May 2008	Rayaneh Magazine (www.rayanehmag.net)	Translating and writing technical articles	Member of Editorial Board
July 2004 up to August 2010	Iran Power Systems Conference (www.psc-ir.com)	Evaluating technical papers to be presented at Conference or published in proceeding	Member of the Board of Technical Committee
June 2010 up to Present	Tapco Co and Other companies	Acting as Live Interpreter	Interpreter
Feb. 1999 up to Present	Iran Industrial Management Co., Isfahan REC, Amir Kabir High Education Institute, Akhtar Bargh Co., IGMC and other institutes	Teaching university students professional courses	Teacher

JOURNAL PAPERS (in Farsi)

- Pouya Ebadollahyvahed, "Features & Facilities of RTLinux Kernel in Development of the Event Recorder System, a Case Study", accepted in PAYAME_MATN journal, winter 2006
- Pouya Ebadollahyvahed, "Development of Software Packages for Iran Power Market using USDP, a Case Study", accepted in PAYAME_MATN journal, summer 2005
- Pouya Ebadollahyvahed, "IVR Systems Development Using TAPI 3 Technology", accepted in PAYAME_MATN journal, fall 2004

LONG TERM TRAINING COURSES (CERTIFICATES GRANTED)

Course	Duration	Organization	Place/Date
DLMS/COSEM Protocol	2 Days	Kalkitech Company	Bangalore/India May 2011
Powel Elin AMI/MDM system	2 Days	Powel Company	Östersund/Sweden February 2011
Concepts of Calibration and Metrology	2 Days	Isfahan Regional Electric Company	Isfahan/Iran Feb. 2010
Operation of ACE6000 and SL7000 Meters and AMR system	20 Days	Itron (Actaris) (France branch)	Poitiers/France Nov. 2008
Operation of MK6E Meters and EZIView software	7 Days	EDMI Co. (Australian branch)	Tehran/Iran Sept. 2006
MCP 70-226: SQL Server 2000 Administration	50 Hours	Samand Rayaneh	Tehran/Iran Sept. 2006
Internal Audit of IMS (ISO9000,14000,18000) system	40 Hours	British Standard Institute (Iran branch)	Tehran/Iran Feb. 2005
Advanced level of New Interchange (English language)	352 Hours	Covendish College (Iran branch)	Tehran/Iran Dec. 2004

PERSONAL ACHIVEMENTS

- Awarded for distinct employee of the year 2008 in MATN (Telecommunication Dept.)
- Awarded for holding 3 national level professional seminars in the year 2006 in Electric Power Technology Development Centre (MATN)
- Awarded for the best Software product prize of the year 2003 in MATN
- Awarded for distinct employee of the year 2002 in MATN (IT Dept.)

PERSONAL DETAILS

Date of Birth: August 1974

Nationality: Iranian

Marital Status: Married, One Child

Health: Good, Non-Smoker

Driving License: Holding Domestic and International Driving Licenses; both full and clean

HUBBIES

- Swimming
- Hiking
- Studying Books
- Listening to Classic Music
- Playing Harmonica