

# CURRICULUM VITAE



## PERSONAL RECORD

NAME: Dr. Loay ALzubaidi

DATE OF BIRTH 25.11.1964

POSTAL ADDRESS: Brigittenauer Länder 156-158 /2/35  
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NATIONALITY Austrian

MARITAL STATUS: Married

LANGUAGES: English, German, ARABIC

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## ACADEMIC RECORD

- ◆ **PHD Computer Science and Engineering** 2004 from Department of Computer Science, University of technology, Vienna, Austria
- ◆ **MSc. Computer Engineering** 1992 – 1994 from Department of Computer Engineering, University of technology, Vienna, Austria.
- ◆ **BSc. Electronic Engineering** 1982 – 1987 from Department of Electrical Engineering, University of technology, Baghdad, Iraq.

## **PROFESSIONAL SKILLS**

### 1. Programming Languages:

- ◆ C/C++
- ◆ PLSQL
- ◆ C#
- ◆ VB. Net
- ◆ Java
- ◆ MatLab
- ◆ ASP
- ◆ JSP

### 2. DBMS (Relational, Object Oriented,):

- ◆ Oracle
- ◆ MySQL
- ◆ Access
- ◆ Sybase

### 3. Telecommunication Protocols:

- ◆ TCP
- ◆ IP
- ◆ UDP
- ◆ FTP
- ◆ PPP
- ◆ SNMP
- ◆ Q3
- ◆ HTTP

### 4. Networks & Technologies:

- ◆ LAN
- ◆ MPLS
- ◆ IP
- ◆ ATM
- ◆ PDH
- ◆ SDH/SONET
- ◆ Frame Relay
- ◆ VHF/UHF

## **List of significant Publications**

- ◆ Electronic bell using z80 microprocessor.
- ◆ Simulation of metropolitan area Network (MAN) using Block Oriented Network Simulator.
- ◆ Software design and data management for automatic computation of coronary sinus pressure dynamics ([IMIBE'06- 2006](#))
- ◆ Automatic Computation of coronary Sinus pressure. ([IMIBE'06- 2006](#))
- ◆ Calculating of coronary Sinus pressure and its Performances using dp/dt method.
- ◆ Intermittent pressure elevation of the coronary venous system as method to protect ischemic myocardium. <http://www.coronarysinus.com/news.asp>

## **Professional certificates & Trainings**

- ◆ Certificate of successful completion CRM – Integrating Siebel applications - UK, Reading (2007).
- ◆ Certificate of successful completion CRM – Siebel 8.0 essentials - UK, Reading (2007).
- ◆ Certificate of successful completion Cramer-Developing (Oracle DB and PLSQL Programming) Austria, Vienna (2003).
- ◆ Certificate of successful completion Cramer-Resource Manager user (Oracle DB and PLSQL Programming) Austria, Vienna (2003).
- ◆ Certificate of successful completion Cramer-Task Engine Manager (Oracle DB and PLSQL Programming) Austria, Vienna (2003).
- ◆ Certificate of successful completion Cramer-Resource Manager Developing (Oracle DB and PLSQL Programming) UK, Bath (2003).
- ◆ Certificate of successful completion of Object-Oriented Analysis and Design with UML, Austria, Vienna (2002).
- ◆ Certificate of successful completion of Linux system administration, Austria, Vienna (2002).
- ◆ Certificate of successful completion of Network management with SNMP, Germany, Frankfurt (2001).
- ◆ Certificate of successful completion of SDH (Synchronous Digital Hierarchy) Network design and implementation, Germany, Frankfurt (2000).
- ◆ Certificate of successful completion of ATM (Asynchronous Transfer Mode), Austria, Vienna (1998).

## **Employment Record**

### **December 2008 – September 2009**

Exact title of post: **Senior Consultant**  
Cirquent AG, Austria

#### **DESCRIPTION OF DUTIES**

- ◆ Lead the R&D group
- ◆ System architecture and system design
- ◆ Manage the Telecommunication projects for big provider ( Duetsche Telecom, Austrian Telecom and Vodafone Germany )
- ◆ Database design and data migration
- ◆ System analyst and business process analysis

### **May 2007 – December 2008**

Exact title of post: **Software Application Manager**  
ARCAPITA Bank

#### **DESCRIPTION OF DUTIES**

- ◆ Manage systems design and technology
- ◆ Customize and develop the following system:
  1. Siebel - CRM system
  2. Banking system
  3. Asset management system
  4. Investor portal system
- ◆ Manage data migration and systems integration
- ◆ Developing testing programs based on business processes and scenarios
- ◆ Prepare and deliver user training

## **September 2004 – April 2007**

Exact title of post: **associated Professor – computer science**  
University College Bahrain

### **DESCRIPTION OF DUTIES**

- ◆ Teaching the following courses
  - 1-Programming languages ( Java and C++)
  - 2-Data structure
  - 3-Algorithm analysis
  - 4-Database I & II
  - 5-Computer Network -
  - 6- Software engineering
  - 7- System analysis and design
  - 8-Web design (JSP, ASP, PHP)

## **October 2002 – July 2004**

Exact title of post: **Technical Project Manager**  
Softlab AG, Austria

### **DESCRIPTION OF DUTIES**

- ◆ Data Base Management (Inventory Management)
- ◆ Designing and Implementing and developing Data Base.
- ◆ Working with different Programming languages.
- ◆ Working with different DB “Oracle, Sybase, and MS Access”.
- ◆ Working with different Telecommunication Technology like: PDH, SDH/SONET, ISDN, ATM, Frame Relay and Telephone PABX.

## **July 1995 - September 2002**

Exact title of post: **Software development Manager**  
Datentechnik AG, Telecommunication

### **DESCRIPTION OF DUTIES**

- ◆ Designing, coding, and testing Software for telecommunication devices using C /C++ language.
- ◆ Analysis and design of software systems (Real Time, embedded).
- ◆ Implement software systems, including acceptance testing, user training and preparation of documentation.
- ◆ Provide software maintenance and technical support for existing software systems.
- ◆ Working with UML.
- ◆ Working with TCP/IP, FTP, UDP, Telnet and PPP.
- ◆ Working with different technologies like PDH, SDH/SONET, ISDN, ATM, VHF/UHF, HF, Telephone PABX.

## **October 1992 – June 1995**

Exact title of post: **System Analyst**  
Alcatel Austria AG, Telecommunication

### **DESCRIPTION OF DUTIES**

- ◆ Implement Metropolitan Area Network (MAN) using C/C++.
- ◆ Implement LAN (Ethernet , Token-ring) ,WAN and FDDI-Network
- ◆ Simulate the MAN using Blocks Oriented Network Simulator.
- ◆ Measure and Analyses all the network performances.

## **July 1987 – July 1990**

Exact title of post: **University Assistant**  
Technical University of Baghdad, Electronic

## **DESCRIPTION OF DUTIES**

- ◆ Assisted professor in running Electronic lab.
- ◆ Working with test instrument.
- ◆ Describe test methods.
- ◆ Maintenance the calibrate Measurement devices.

## **Research**

### **Research Interests**

My research interests fall in the intersection of information integration, intelligent systems, and mobile multimedia focusing on the broader business, social, and policy implications associated with the emerging mobile and Web technologies.

#### **1. Information Integration**

Barely more than ten years after the birth of the World Wide Web, the Global Information Infrastructure is a daily reality. In spite of the many applications in all domains of our societies: e-business, e-commerce, e-learning, e-science, and e-government, for instance, and in spite of the tremendous advances by engineers and scientists, the seamless integration of information and services remains a major challenge. The current shared vision for the future is one of semantically-rich information and service oriented architecture for global information systems. This vision is at the convergence of progress in technologies such as XML, Web services, RDF, OWL, of multimedia, multimodal, and multilingual information retrieval, and of distributed, mobile and ubiquitous computing.

## **2. Agents interactions**

Intelligent systems are systems that are characterized to consist of intentional entities (agents) who are self-aware (autonomous: free to perceive, free to make decision, free to act), who have goals, who can think about how to match up to their own and other agents standards, and who will act in ways to influence other's view.

In this context, they 1.) are created for some reason (purpose and orienting towards it), 2.) have values which determine their behaviour and based on these values agents' actions can be decided as good, right, and even moral, 3.) have control over their actions (accept a task, negotiate, or reject) and this control is maximized by reaching challenging goals, and 4.) have positive values (self respect and respect of others)

Interaction is the act or process where agents communicate in a way to influence the behaviour or belief of other agents. Agents' interaction takes the form of coordination, cooperation, collaboration, negotiations, contracts, agreement, communication protocols, and speech acts.

My focus is on Agents' interaction in ubiquitous environment which is generally characterized by 1) openness, describing the possibilities that these mobile entities can join or leave the environment, 2) flexibility indicating the degree the mobile entities are restricted by the environment rules and norms, 3) stability defining the predictability of the consequences of actions and 4) trustfulness specifying the extent to which users may trust the environment. Social aspects of multi-agents systems have received a lot of attention from the community since social ability is one of the most important attributes of agents which has opened up new modes of interaction and dynamic organizational configurations that were previously inconceivable within a wide array of human and business activities.

Most important is how agents interactions can be modelled using norms which are interpreted in different contexts and understood to mean a standard expectation about what behaviour, thoughts, or feelings are appropriate within a given group (of agents) within a given context (i.e., location, time, environment) and to show how agents should behave based on established protocols, rules of conduct or accepted social practices.

### **3. Mobile Multimedia**

The field of mobile computing and multimedia is expanding in an unprecedented pace. Indicators are the rapidly increasing penetration of the cellular phone market around the world, and the mobile computing market is growing nearly twice as fast as the desktop market. In addition, technological advancements have significantly enhanced the usability of mobile communication and computer devices. From the first CT1 cordless telephones to today's Iridium mobile phones and laptops/PDAs with wireless Internet connection, mobile tools and utilities have made the life of many people at work and at home much easier and more comfortable. As a result, mobility and wireless connectivity are expected to play a dominant role in the future in all branches of economy. The addition of mobility to data communications systems has not only the potential to put the vision of "being always on" into practice, but has also enabled new generation of services, e.g., location-based services. My focus is on topics leveraging all aspects of mobile and multimedia computing: from underlying technologies to applications, theory to practice, and servers to networks to devices is precisely the ability to deploy and utilize modern technologies for the design, development and deployment of a content rich, user and business friendly, integrated network of autonomous, mobile applications and services.

## **TEACHING EXPERIENCE:**

- 1-Programming languages ( Java and C++)
- 2-Data structure
- 3-Algorithm analysis
- 4-Database I & II
- 5-Computer Network -
- 6- Software engineering
- 7- System analysis and design
- 8-Web design (JSP, ASP, PHP)

## **Personal**

I am a highly motivated, energetic individual with good interpersonal skills. I thrive on intellectual challenges and I am achievement orientated as evidenced by my recent qualifications and achievements.

Outside of work I pursue a variety of interests including literature, performing and listening to music, chess, computers, photography, sports and meeting with friends.