

# C.V



## 1. Marital status:

<b>Last Name</b>	KOSAYBA
<b>First Name</b>	Bassem
<b>Nationality</b>	Syrian
<b>Date of Birth</b>	29 / 01 / 1975
<b>Family Situation</b>	Married + 3 children
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## 2. Education :

Date	Diplomas	Location
2001/2006	Ph.D in Software Engineering (meta-modeling)	University of Sciences and Technologies of Lille – France
2000/2001	Master in Informatics (Distributed Parallel Systems)	University of Sciences and Technologies of Lille – France
1997/1999	Diploma of Higher Studies in Computing and Automation	University of Damascus – Syria
1992/1997	Engineer Diploma in Electronics Engineering	University of Damascus – Syria

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**Note:** I followed by curiosity the courses of the Diploma of Higher Studies (*operating systems and programming*) simultaneously with the courses of Diploma of Higher Studies (Computing and Automation). The objective of this Diploma is to introduce engineers in electronics to computer science. As the organization of higher studies in Syria does not allow students to register in two Diplomas simultaneously, I did not obtain this Diploma. However, the information which I learned by following the courses of this Diploma helped me in the next stages of my studies, especially the Master of Computer Science.

### 3. Professional Experience : Teaching (France)

<i>Courses</i>	<i>Location</i>
<ul style="list-style-type: none"> <li>• <i>Tutorials/ Practical work</i> <b>Operating Systems</b> – <i>Fourth year students</i></li> <li>• <i>Tutorials/ Practical work</i> <b>Architecture and Systems</b> – <i>Second year students</i></li> <li>• <i>Tutorials/ Practical work</i> <b>Web technologies and Data Bases</b> – <i>Second year students</i></li> <li>• <i>Tutorials/ Practical work</i> <b>Java Project and Data Bases</b> – <i>BSc students in Computer Science</i></li> <li>• <i>Tutorials/ Practical work</i> <b>Scheme programming and Basis of Computer Science</b> – <i>First year students</i></li> </ul>	<p>University of Lille 1 France</p>
<ul style="list-style-type: none"> <li>• <i>Lectures/ Tutorials/ Practical work</i> <b>Object Oriented Programming Java</b> –<i>Special year students</i></li> <li>• <i>Lectures/ Tutorials/ Practical work</i> <b>Computer Architecture (Assembler 80x86)</b> - <i>Special year students</i></li> <li>• <i>Practical work</i> <b>Analysis and Design of Information Systems (PHP programming)</b> – <i>Second year students</i></li> <li>• <i>Tutorials/ Practical work</i> <b>Operating Systems</b> – <i>First year students</i></li> </ul>	<p>Poly technic of Lens ARTOIS University France</p>
<ul style="list-style-type: none"> <li>• <i>Lectures/ Tutorials</i> <b>Algorithms and Data Structures in C</b> – <i>Third year students</i></li> <li>• <i>Tutorials</i> <b>Operating Systems</b> – <i>Fourth year students</i></li> </ul>	<p>Higher Institute of Electronics and Numerical sciences of North – France</p>
<ul style="list-style-type: none"> <li>• <i>Tutorials/ Practical work</i> <b>Computer Architecture</b> – <i>continuous training</i></li> </ul>	<p>New School of Engineering &amp; Communication France</p>

#### 4. Professional Experience : Teaching (Syria)

Courses	Location
<ul style="list-style-type: none"> <li>• <b>Distributed Systems and Applications</b> – <i>Fifth year students.</i></li> <li>• <b>Networking Application Programming</b> – <i>Forth year students.</i></li> </ul>	Information Technology Faculty (Software engineering department) <ul style="list-style-type: none"> <li>• Damascus University</li> <li>• Syrian Private University</li> <li>• Aljazeera Private University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Advanced Software Engineering</b> – <i>Master students.</i></li> <li>• <b>Advanced Internet Applications</b> – <i>Master students.</i></li> <li>• <b>Software Engineering 1</b> – <i>Forth year students.</i></li> <li>• <b>Algorithms &amp; Data Structures /1/</b> - <i>Second year students.</i></li> <li>• <b>Automata &amp; Formal Languages</b> - <i>Third year students.</i></li> <li>• <b>Java Programming Language</b> – <i>Third year students.</i></li> <li>• <b>Project /1/</b> – <i>Third year students.</i></li> <li>• <b>Compiler Project</b> – <i>Fourth year students</i></li> </ul>	Information Technology Faculty (Software engineering & Information Systems department) <ul style="list-style-type: none"> <li>• Damascus University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Software Quality Assurance</b> - <i>Fifth year students.</i></li> </ul>	Faculty of Computer & Informatics & Communication. <ul style="list-style-type: none"> <li>• Syrian Private University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Software Engineering 3</b> – <i>Fifth year students.</i></li> </ul>	Information Technology Faculty (Software engineering department) <ul style="list-style-type: none"> <li>• Damascus University</li> <li>• Albaath University</li> <li>• Teshreen University</li> <li>• Syrian Private University</li> <li>• Yarmouk Private University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Software Engineering 1and 2</b> – <i>Third year students.</i></li> <li>• <b>System Design</b> – <i>Third year students</i></li> </ul>	Information Technology Faculty <ul style="list-style-type: none"> <li>• Tartous University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Web Programming</b> – <i>Second year students.</i></li> <li>• <b>Internet Applications</b> – <i>Second year students.</i></li> <li>• <b>Programming Languages</b> – <i>Fourth year students</i></li> <li>• <b>Real Time Systems</b> – <i>Master students.</i></li> <li>• <b>Operating Systems</b> – <i>Second year students</i></li> </ul>	Information Technology Faculty <ul style="list-style-type: none"> <li>• Albaath University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Real Time Systems</b> – <i>Fifth year students.</i></li> </ul>	Information Technology Faculty ((Networking & Systems department) <ul style="list-style-type: none"> <li>• Damascus University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Information Retrieval Systems</b> - <i>Fifth year students.</i></li> <li>• <b>Advanced Data Bases</b> - <i>Fifth year students.</i></li> <li>• <b>Data Bases 1</b> - <i>Third year students.</i></li> <li>• <b>Web Application Programming</b> - <i>Third year students.</i></li> </ul>	Faculty of Computer & Informatics & Communication. <ul style="list-style-type: none"> <li>• Syrian Private University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Information Networks</b> - <i>Fourth year students</i></li> </ul>	Literature and human Sciences Faculty (Information & Library department) <ul style="list-style-type: none"> <li>• Damascus University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>System Analysis and Design</b> – <i>Third year students</i></li> </ul>	Computer Sciences department <ul style="list-style-type: none"> <li>• Mamoun University</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Web Programming</b></li> <li>• <b>Software Engineering 1, 2 and 3</b></li> <li>• <b>Automata &amp; Formal Languages.</b></li> </ul>	Information Technology Faculty <ul style="list-style-type: none"> <li>• Aljazeera Private University</li> <li>• Al-sham Private University</li> </ul>

<ul style="list-style-type: none"> <li>• <b>Java Programming Language</b></li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Operating systems /1/</b></li> <li>• <b>Compiler Design</b></li> <li>• <b>Algorithms &amp; Data Structures</b></li> <li>• <b>Software Engineering /3/</b></li> <li>• <b>Introduction To Programming and Algorithms</b></li> </ul>	Yarmouk Private University
<ul style="list-style-type: none"> <li>• <b>E-learning</b></li> <li>• <b>Information systems</b></li> <li>• <b>Project Management</b></li> </ul>	Damascus University - Higher Institute for administrative development.

### 5. Placements :

	<b>Date</b>	<b>Subject</b>	<b>Technical Experience</b>
Ph.D Thesis	2001/2006	Model driven approach to produce domain oriented modeling environments	<ul style="list-style-type: none"> <li>• Meta-modeling (MOF, EMF, ..)</li> <li>• Component models (CCM, Fractal, ..)</li> </ul>
Master Thesis	2000/2001	Design of distributed algorithms in order to accelerate the handling of the Data Base join requests	<ul style="list-style-type: none"> <li>• Java RMI</li> <li>• The platform JavaParty</li> <li>• Parallel Programming (MPI, PVM, Pthread, OpenMP)</li> </ul>
Higher Studies Thesis	1998/1999	A study of the operating system design	The Operating System MINIX
Engineer Diploma project	1997	Design of a digital telephonic center for a company	<ul style="list-style-type: none"> <li>• Design of I/O interface between a computer and external devices.</li> <li>• Exploitation of this interface through a PASCAL program</li> </ul>

### 6. Other Professional Experiences :

<ul style="list-style-type: none"> <li>• Teacher in Software Engineering &amp; Information Systems department / Damascus University (since 2006).</li> <li>• Head of Software Engineering &amp; Information Systems department / Damascus University (2013-2015).</li> <li>• Teacher in Faculty of Computer &amp; Informatics &amp; Communication / Syrian Private University (2016 -2017).</li> <li>• Dean of Engineering Faculty / Alsham Private University (2017-2018).</li> <li>• Head of Information Technology Engineering / ALJAZEERA University (2018-2019).</li> </ul>
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- Software development responsible in Trusted Information Technology company (2018-2019).

## 7. Development Experiences :

- Development of web based system for student bank (Ministry of Higher Education) on 14 branches and one central administration.
  - student loans (the student get monthly a loan value and return them monthly back after the graduation).
    - Calculation of loan values and interests. Also, Transfer the loan values (on several times) through the Syrian commercial bank or directly to student.
    - Return back the loan values (on several times) and calculation of late fines
    - Calculation of payments and deliveries registered on bank employees.
    - Close the loan (when the student return the latest loan value).
    - Administration of users rights.
    - ....
  - computer loans (the student get one loan value in order to buy a personal computer and return back the loan on several times).
    - Calculation of loan value and interests. Also, Transfer the loan value through the Syrian commercial bank or directly to student.
    - Return back the loan values (on several times) and calculation of late fines
    - Calculation of payments and deliveries registered on bank employees.
    - Close the loan (when the student return the latest loan value).
    - Administration of users rights.
    - ....
  - personal loans (the student get one loan value and return back the loan on several times. The student can get another personal loan if and only if he/she return back the latest loan value).
    - Calculation of loan value and interests. Also, Transfer the loan value through the Syrian commercial bank or directly to student.
    - Return back the loan values (on several times) and calculation of late fines
    - Calculation of payments and deliveries registered on bank employees.
    - Close the loan (when the student return the latest loan value).
    - Administration of users rights.
    - ....
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## 8. List of publications :

- Mariam Bani Al-Marjeh, Bassem KOSAYBA "**Checking Of Real Time Systems Performance Based On Models**" Albaath University Journal, February **2021**.
- Waseem Ahmad, Bassem KOSAYBA "**Methodology to Describe and Verify Systems Behavior by Integrating Several Formal Languages**" International Journal of Computer Science Trends and Technology (IJCST), August **2019**.
- Waseem Ahmad, Bassem KOSAYBA "**Methodology to Describe and Verify Systems Behavior by Integrating Several Formal Languages**" Albaath University Journal, July **2019**.
- Ruba ALALI, Bassem KOSAYBA "**Methodology for Auto Evaluation of Software Quality**", Albaath University Journal, August **2018**.
- Bassem KOSAYBA "**Petri-Net Query Language for the Verification of Systems Behavior**", Albaath University Journal, July **2018**
- Bassem KOSAYBA "*Capitalization of System Design using Model Driven Engineering*", Albaath University Journal, September **2015**
- Lubna MANSOUR, Bassem KOSAYBA "*The Improvement of the Quality of Model Driven Engineering Procedures of Software*", Albaath University Journal, September **2015**
- Husam Bofaoor, Bassem KOSAYBA "*Building New Tool for Software Project Planning Based on Meta-modeling Concepts and CMMI Meta-Standards*", Praise Worthy Prize **2013**
- Fadi ALMEHDI, Bassem KOSAYBA, Mohmed DABESH "*Sematic Description of Web Services*", Alepo University Journal, Desember **2010**
- B. KOSAYBA + 5<sup>th</sup> year students : Hasan Alkhedr, Firas Jdeed, Amer Shriedi and Eman Al-mozaien "*Arabic Phonetic Web Sites Platform Using VoiceXML*", *IEEE ICTTA'08*, Damascus - Syria, April 2008
- B. KOSAYBA + 4<sup>th</sup> year students : Raneem SALEH, Rain ALSALEH "*Towards Standard "Control Protocol through Internet Using MDE Approach"*", *IEEE ICTTA'08*, Damascus - Syria, April 2008
- B. KOSAYBA + 5<sup>th</sup> year student : Abdel Azziz Backkour "*Model Driven Production of User Interactions For Web Applications*", *IEEE ICTTA'08*, Damascus - Syria, April 2008
- B. KOSAYBA A framework for Model driven Production of graphic modeling tools, *IEEE ICTTA'06*, Damascus - Syria, April 2006

- B. KOSAYBA, R. MARVIE, JM. GEIB *Model Driven Production of Domain Specific Modeling Tools*, **4<sup>th</sup> OOPSLA Workshop on Domain-Specific Modeling (DSM'04)**, Vancouver - Canada, October 2004
- B. KOSAYBA, R. MARVIE, JM. GEIB *Production of Domain Oriented Graphic Modeling Environments*, **Model Driven Architecture (MDA) Workshop**, Twent - the Netherlands, June 2003.
- B. KOSAYBA, R. MARVIE, P. Merle, JM. GEIB *Production d'outils orientés domaine*, **Object-Component-Model (OCM) Workshop**, Vannes - France, February 2003.
- B. KOSAYBA, R. MARVIE, P. Merle, JM. GEIB *Reconfiguration d'applications à base de composants (CORBA, EJB)*, **Workshop of Systems with Adaptable and Extensible Components**, Grenoble - France. October 2002.