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## SUMMARY

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Masters Degree with more than 5 years programming and application development experience.

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## COMPUTER SKILLS

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### Technical Skills:

- Java, C++, XML, XSL, XQuery, XPath, FOP, Web Services (JAXWS), JSP, Servlets, Javascript, MS SQL Server, TSQL, Oracle, PLSQL, MySQL, Redhat Fedore Linux, OpenGL, PDF Generation
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## EXPERIENCE

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### Senior Software Engineer

May 2005-Present

#### *Open Finance Network*

- Design and Implement Data Model for OFN's Billing System in a Microsoft SQL Server 2005 Environment.
- Architect and develop OFN's billing system Object Oriented backend using Java.
- Develop a Web Interface that would interact with the billing system's backend using JSPs, Servlets, CSS, HTML and Javascript
- Develop a Reporting Engine to generate PDF and Excel Reports from the billing system's Data using iText and POI
- Design the Data Model of a Data Repository for Assets and Securities of Accounts and their Classification
- Develop Portfolio Analysis Reports Engine using JSP, servlets, XML, XSL, Hibernate, FOP
- Develop TSQL Scripts (for Data Loading), Procedures, Functions and constraints in Microsoft SQL
- Implement test & development plans, status reports & specification documentations with Visio
- Implement a JMS Server/Client Application to Sync Information between 2 databases
- Develop Webservices as a middle layer between OFN's billing system, and a desktop client using JAX-WS, XmlBeans, JAX-B

### Teaching Assistant

Aug 2004 - May 2005

#### *Florida Atlantic University (During Graduate Studies)*

- Teaching Assistant for the following courses
  - Introduction to Data Communication
  - Operating Systems
  - Analysis of Algorithms (Graduate Level)
  - Microprocessors and Logic Design

### Application Developer

Dec 2003 – July 2004

#### *Rovina (During Undergradute Studies)*

- Design and Maintain a Database for a stock & Accounting purposes using Oracle 9i.
- Develop and maintain the application using Microsoft's J++ Java IDE.

**Application Developer**

Jun 2003- Sep 2003

*Floreca (During Undergraduate Studies)*

- Develop a Statistical Reporting Application using Microsoft's J++ Java IDE
- Design and Implement a Database Model for the Application
- Provide Maintenance and Upgrades when needed

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**EDUCATION**

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**Florida Atlantic University**

August 2004 – May 2006

*Boca Raton, Florida – GPA : 3.65*

- M.Sc. in Computer Science
- Projects Included
  - JPEG Encoder/Decoder
  - Active Element: An embedded electric current simulator where the user logs to a web interface and turns on an electric circuit. The Embedded System measures the electric current in a capacitor, saves the data and shows graphs. This project was part of the Remote Labs Research ([activeelement.cse.fau.edu](http://activeelement.cse.fau.edu))
  - Wireless Sensor Network Simulations for Thesis Simulation

**American University of Beirut**

October 2000 – May 2004

*Beirut, Lebanon – Cumulative Major Average : 83.5%*

- B.Sc. in Computer Science
- Projects Included :
  - OpenGL 3D Terrain Generator Using C++ under Linux
  - Shell Script Development for Redhat Linux
  - Multi-threading animation application using C++ under Linux
  - Encryption Applications using Haskell and Lisp
  - Dijkstra's Algorithm Shortest Path between World Cities in C++
  - Client/Server Chat Client using Java for a Networking class
  - Network HDLC (High-level Data Link Control) Simulator
  - Worked with MatLab for Numerical Computing Class

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**RESEARCH**

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**IECON'05 (IEEE)**

2005

- *Remote Labs Environments(RLE): A Constructivist Online Experimentation in Science, Engineering, and Information Technology*

**WiMob 2006 (IEEE)**

2006

- *Energy-Efficient Data Gathering in Heterogeneous Wireless Sensor Network*

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**REFERENCES**

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**Available Upon Request**