

# Irimia Daniel Bogdan

---

43<sup>rd</sup> Giulești Street, Bucharest

**Mobile:** +40 740.168.828

**E-mail:** [irimiab@gmail.com](mailto:irimiab@gmail.com)

**Web:** [bogdanirimia.ro](http://bogdanirimia.ro)

---

## **Work experience** 2003 – present DigitAIR SRL

### *Full time collaboration*

- Implemented the client-side application for Zapp Buzz service, running on Zapp E@zy terminal ([details here](#) and [video demo here](#) and [here](#)). The application runs on BREW 3.1 platform
  - Implemented a thin e-mail client for Zapp E@zy terminal ([video demo here](#)). The application runs on BREW 3.1 platform.
  - Implemented a set of content-delivery applications on BREW 2.1 platform:
    - [Meteo](#)
    - [TuneUP](#)
    - [Cosmopolitan](#)
    - [Gazeta Sporturilor](#)
    - [Pocket FHM](#)
  - Developed two iPhone applications to play MP3 radio streams and to display news feeds. They are not available in the AppStore yet
  - Implemented several wap services (Bilet.ro, ZborIeftin.ro, Gadgeteer.ro etc.) and promotional contests for Vodafone Live! platform (with web interface, voting engine and e-mail recommendation system)
  - Developed a web-to-sms platform connecting to Vodafone's SMSC; it's being used for SMS promotions and SMS-based products by Vodafone and its clients
  - Developed a series of applications for the iMode platform (Cosmote mobile operator): Meteo, Sapte Seri, FHM, Gazeta Sporturilor ([details here](#))
  - Developed a data repository and server platform for the meteoromania.net site. This included installing and administering the server's OS (FreeBSD 7.0), securing the system, implementing the necessary web services, optimizing services and applications. Also contributed to site's development itself (site [available here](#))
  - Developed the DigiStation widget, in four different flavors: Windows Sidebar Gadget, MacOS Widget, Yahoo! Widget and Flash widget for web pages ([details and demo here](#))
  - Developed the DigiWeather widget, with more than 45000 registered e-mails ([details here](#) and [here](#))
  - Developed [www.ringmovies.com](http://www.ringmovies.com), [www.ring.ro](http://www.ring.ro) and the Rring! Newsletter (using *Drupal CMS*). Developed the mobile site for [www.ringmovies.com](http://www.ringmovies.com) ([available here](#)) with movie transcoding for mobile support
  - Contributed to implementing [www.mstats.ro](http://www.mstats.ro) and the back-end processing algorithm. The site offers a mobile analytics service and has PHP, Perl and ASP modules. The main challenges were large data storage and fast (real time) data
-

---

processing.

- Implemented various tools for data transmission: a generic Socket Server, used now for meteorological data delivery in Zapp mobile network; a Windows service for automatic data uploading to a web service; a Linux tool (running on an embedded Linux) for image acquisition, modem control and data transmission
- I am administrating 7 Linux servers (web and ftp, 4 of them being in Vodafone network), one FreeBSD server and one Windows server (in Zapp network). I also have experience in working on Solaris OS.

2006 – 2009          Clip Media Solutions SRL

*Owner and programmer*

- Implemented several web projects:
  - [www.intelligent-ideas.com](http://www.intelligent-ideas.com) (using Drupal CMS)
  - [www.pda-shop.ro](http://www.pda-shop.ro) and [www.smartpda.ro](http://www.smartpda.ro) (based on OpenCart e-commerce platform to which I also contributed)
  - [www.demirare.ro](http://www.demirare.ro) (collaborative blog based on WordPress)
  - [www.sportwettenfuxx.de](http://www.sportwettenfuxx.de) (with 3 more collaborators, using Drupal CMS)

2001 - 2003          StarckRom SRL

*Project based collaboration and part time collaboration*

- Implemented a web interface for monitoring the ecological parameters for several rivers in Suceava County (pilot project)
- Implemented a C++ application for computing atmospheric sounding reports
- Implemented an administrative section for the National Meteorological Institute's communication system (RFC)
- Implemented different modules for the communication system

---

## **Education**

2007 – present

Research at “Politehnica” University, Bucharest

Study area: “Real Time Control for Non-Linear Processes” ([details here](#))

Articles:

- Irimia B., Lupu C. - *Automatic system control over time delayed communication systems*, Proceedings of the 16<sup>th</sup> International Conference on Control Systems and Computer Science CSCS16, Bucharest, May 22-26, 2007, pp. 489- 496, ISBN 978-973-718-741-3
  - Lupu C., Popescu D., Petrescu C., Ticlea A., Dimon C., Udrea A., Irimia B. - *Multiple-Model Design and Switching Solution for Nonlinear Processes Control*, ISC'08, The 6th Annual Industrial Simulation Conference , 09-11 June, Lyon, France, pp. 71-76, ISBN 978-90-77381-4-03
  - Lupu C., Petrescu C., Ticlea A., Dimon C., Udrea A., Irimia B. - *Design procedure for inverse model command: control method for nonlinear processes*, (2008) UPB Scientific Bulletin, Series C: Electrical Engineering, 70 (3), pp.87-100, ISSN 1454-234x
  - Lupu C., Petrescu C., Ticlea A., Dimon C., Udrea A., Irimia B. - *Multi-model system with nonlinear compensator blocks*, (2008) UPB Scientific Bulletin, Series C: Electrical Engineering, 70 (4), pp. 97-114, cited in Liu, C., Peng, J.-F., Zhao, F.-Y., Li, C. *Design and optimization of fuzzy-PID controller for the nuclear reactor power control* (2009), *Nuclear Engineering and Design*, 239(11), pp. 2311-2316
  - Irimia B. - *Writing Embedded Automation Applications on Low Cost ASUS WL-*
-

2006 – 2008

Master study: “Advanced Automation”

Dissertation paper: “Numerical position control in a non-linear system”

*Graduated with maximum grade*

2001 - 2006

“Politehnica” University, Bucharest

Automation Control and Computers Faculty

*Diploma of Engineer in Automation and Systems Engineering*

---

### **Technical Skills**

- Developing mobile products and services. Technologies:
  - BREW (advanced – I was the first authenticated BREW developer in Romania)
  - iPhone (beginner)
  - WML and proprietary scripting language (advanced)
  - Symbian (beginner)
  - Windows Mobile (intermediate)
- Good knowledge of mobile technologies, trends and devices
- General programming (C++, .NET Framework, PHP/MySQL, Java)
- Web programming (PHP, JavaScript)
- General IT skills (Unix and Windows administration, database administration)
- Image based interaction models (I translated for BREW the Visual Code Recognition algorithm by Rohs and Gfeller)
- Software systems engineering (UML – the basics)
- System engineering (process identification, requirements analysis, automated control, performance analysis)
- Data integration and transmission

---

### **Other Skills**

- I like being in trend with the latest technologies and to have knowledge about the latest gadgets
- Ability and strong will to learn new things

---

### **Hobbies**

- Practicing Ki Aikido (martial arts) for more than two years. I am interested in the mental preparation and psychological aspects of the art
- I enjoy SF movies and movie series (I am a fan of Star Trek TNG, Stargate SG-1 and Stargate Atlantis). I enjoy discovering new futuristic ideas and concepts.
- I am passionate about different thinking philosophies, attitudes about life and future. I like studying oriental philosophy and thinking patterns

---

### **Languages**

- Communication skills in *Romanian* (mother tongue), *English* (advanced – I own the *Certificate of Advanced in English* from Cambridge) and *French* (beginner)
-