

PERSONAL INFORMATION

Alexandru Achim



📍 Atomistilor No. 409 Magurele, 077125, Ilfov, Romania

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Sex **male** | Date of birth **29/12/1977** | Nationality **Romanian**

WORK EXPERIENCE

2019-present

Head of information technology department (IT)

National Institute for Laser, Plasma and Radiation Physics

IT Department

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- oversee all technology operations (e.g. network security, servers control) and evaluate them according to established goals
- devise and establish IT policies and systems to support the implementation of strategies set by upper management
- Identify the need for upgrades, configurations or new systems and report to upper management
- coordinate and supervise it managers, technicians and other professionals to provide guidance

Business or sector Physics Research

2016-2019

Software Engineer

National Institute for Laser, Plasma and Radiation Physics

Center of Advance Laser Technologies - PW Laser

Atomistilor 409 , 077125 Magurele Romania

- Network devices and specific servers administration
- Data acquisition and processing
- Scientific equipment interface
- Automation

Business or sector Physics Research

2004-2016

Scientific researcher III

National Institute for Laser, Plasma and Radiation Physics

Laboratory of Solid -State Quantum Electronics

Atomistilor 409 , 077125 Magurele Romania

- Czochralski crystal growth, Bridgman crystal growth
- x-ray diffraction
- polishing and lapping crystals

[Business or sector](#) Physics Research

2003-2004 **Junior Scientist**
National Institute for Physics and Nuclear Engineering
Nuclear Reactor - Radioprotection Department

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- radiation safety
- gamma sources inventory
- dosimetry

[Business or sector](#) Physics Research

2001-2002 **Teacher in computer technologies**

High School for Wood and Forest

19 Carol I, Campina (Romania)

- Computers architecture
- Operating systems and networking protocols

[Business or sector](#) Education

EDUCATION AND TRAINING

2008 - 2011 **Phd in Condensed State Physics**
 University of Bucharest , Faculty of Physics - Doctoral School
 Atomistilor 403, 077125 Magurele Romania

- condensed state 's physics

2004 - 2005 **Master degree in Physics Metrology**

University of Bucharest , Faculty of Physics

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- Electronics and physical metrology

1996 - 2001 **Engineer**

University of Bucharest , Faculty of Physics

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- technological physics

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
French	B1	B1	A1	A1	A1

Replace with name of language certificate. Enter level if known.

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

[Common European Framework of Reference for Languages](#)

- Computer skills**
- Operating systems : Windows (all) , Linux (good knowledge and administration)
 - Network protocols : ip (ipv4,ipv6) routing (static,dinamic:rip,eigrp,bgp,ospf)
 - Networks security
 - VPN (pptp,openvpn,ipsec)
 - Virtualization : Xen,VMware,KVM, OpenVz
 - Network servers : web,mail,file servers,cloud
 - Extensive background in computers and networking systems, with abilities in building new systems, finding problems and fixing any issues.
 - Programming language : Python, Perl ,Bash

ADDITIONAL

- Other**
- Driving licence : B
- Extra activities :
- Linux Teacher
Cisco Networking Academy - Telacad (<http://www.telacad.ro>)
03/2008 – 10/2010 (8 h/ week)
- Telecom Engineer
Icarus Data Telecom (<http://www.icarusdata.ro>)
01/2011 – 06/2013 (2 h / day)
- CCNA , CCNP courses completed