



Curriculum vitae Europass

Personal information

Surname / Forename

GROSU, Vlad-Alexandru

Address(es)

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crisvlad74@gmail.com (personal e-mail)

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Nationality

Romanian

Birth date

25.04.1975

Sex

Male

Desired working place / Occupational Field

**Design, development and maintaining software products (under Linux) /
Assistant professor**

Professional Experience

Dates

1998 (October) - present

Occupation or position held

Ongoing PhD degree / Assistant professor

Main activities and responsibilities

- Supervisor teacher for the students participating in the Scientific Communication Symposium within the Faculty of Electronics, Telecommunications and Information Technology;
- Devise education materials (lectures, laboratory workshops) for Numerical Methods, Computer Programming and Data Bases;
- Maintenance of the lectures' related laboratories (materials, hardware/software update and maintenance);
- Department specific activities (License/Diploma supervisor, schedule think-out, union specific problems)

Name and address of employer

University POLITEHNICA Bucharest - College of Electronics, Telecommunications and Information Technology,
1-3 Iuliu Maniu Boulevard, Sector 6, 061071, Bucharest, ROMANIA
Tel: +40 214029746; www.pub.ro, www.electronica.pub.ro

Type of business or sector

Academic education

Dates

2008 (august) - present

Occupation or position held

Software engineer (programmer)

Main activities and responsibilities

- Embedded Linux applications' thinking-out and design (user-land level);
- Specific maintenance activities for a system's performance resources management application;
- Porting the development system's remote control graphic application from Windows to Linux;
- Use versioning tools (git, Subversion)

Name and address of employer

VirtualMetrix Design SRL
168 Calea Dorobanți, Sector 1, 010865, Bucharest, ROMANIA
Website: www.virtualmetrix.com/contact.php

Type of business or sector

Embedded system software engineering.
Conceiving and maintenance of software based applications.

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>2005 (September) - 2008 (August)</p> <p>Software engineer (programmer)</p> <ul style="list-style-type: none"> - Maintenance and bug fixing of existing applications - Layer 2 (switches) software development; - Use Diab C-Compiler (versions 5 and 6) and Clearmake in compiling under the real-time VxWorks operating system; - Using of WindRiver debugger (versions 2 and 3); - Daily use of Linux (Ubuntu and KUbuntu distributions); - File versioning based on Clearcase integrated environment; - Maintenance of the assigned software bugs using Clarify; - Specialty documentation conceiving for describing the features of the apps I am responsible for; - Follow the testing procedures for different design phases in order to check the product's features; - Interaction with the testing team to assure a correct implementation/solution of the problem assigned. <p>ITC Networks SRL 167 Calea Floreasca, Sector 1, 014459, Bucharest, ROMANIA Website: www.itcnetworks.ro</p> <p>Telecommunications</p>
<p>Education and training</p> <p>Dates</p> <p>Title of qualification awarded</p> <p>Principal subjects / occupational skills covered</p> <p>Name and type of organisation providing education and training</p> <p>Level in national or international classification</p> <p>Name and address of employer</p>	<p>1993 (October) - 1998 (July)</p> <p>Diploma Engineer in Electronics (Applied Electronics branch, Computational Systems Engineering sub-branch)</p> <ul style="list-style-type: none"> - C Programming language - structural programming based on x86 architectures; - Numerical Methods - conceiving numerical runtime libraries, used both by general purpose processors and microcontrollers or embedded systems; - Data bases - how to daily use a data base management system. <p>University POLITEHNICA, College of Electronics, Telecommunications and Information Technology, in Bucharest, ROMANIA</p> <p>ISCED 5, tertiary</p> <p>University POLITEHNICA Bucharest - College of Electronics, Telecommunications and Information Technology, 1-3 Iuliu Maniu Boulevard, Sector 6, 061071, Bucharest, ROMANIA Tel: +40 214029746; www.pub.ro, www.electronica.pub.ro</p>
<p>Dates</p> <p>Title of qualification awarded</p> <p>Principal subjects / occupational skills covered</p> <p>Name and type of organisation providing education and training</p> <p>Level in national or international classification</p> <p>Personal skills and competences</p> <p>Mother tongue(s)</p>	<p>1989 (September) - 1993 (June)</p> <p>Graduated Mathematics-Physics branch.</p> <p>Common curricular disciplines.</p> <p>"Spiru Haret" high school, Bucharest, ROMANIA.</p> <p>Romanian</p>

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing skills	
C2	Experimented user	C2	Experimented user	C2	Experimented user	C2	Experimented user	C2	Experimented user
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

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

Social skills and competences

- Adapted both to team working and individual tasks;
- Communicative;
- Trustworthy;
- Jovial, open minded.

Organisational skills and competences

- Ability to meet the assigned tasks' deadlines;
 - Ability to take decisions for the specific problems and prioritize among the assigned tasks;
 - Assume personal responsibilities for the assigned problems' solutions.
- I gained all these skills especially while I was working in a private environment centered on software engineering and development.).
 Since 2005 I was part of small to medium programming teams (3 to 15 people) that were mandated with the maintenance and development of software tools (did work in private environment - see *Professional experience* section above).

Technical skills and competences

- Software engineer assigned with development and maintenance of software products (professional activity being held within corporate environment);
 - Devise accompanying documents for software design phases (professional activity held both in corporate and public environments);
 - Authorized dialogue with accredited people in order to update the documentation of the assigned software products (professional activity held in corporate environment);
 - Maintenance of the hardware equipment together with the software tools daily needed in the academic laboratory I'm responsible for (teaching activity);
 - Sponsorship contract with respect to the enhancement of the laboratory's hardware support (computer based workstations) and basic furniture.
- These skills were gained while I was part of public and corporate working environments (see *Professional experience* section above)

Computer skills and competences	<p>I own good and very good skills for any of the following: operating systems/integrated development environments/compilation tools/application-level programs, as follows:</p> <ul style="list-style-type: none"> - Operating systems: <ul style="list-style-type: none"> ▪ Linux/Unix - installation and configuration; user-level software based programs, Windows - installation and configuration for both the system and applications (installed programs), - Programming languages: <ul style="list-style-type: none"> ▪ C/C++, Linux shell-scripting (bash - using Linux shell in task automation), SQL, Assembler (for Intel x86, general-purpose cpus). - Compilers / IDEs: <ul style="list-style-type: none"> ▪ Linux typical programming environment (gcc, g++, gdb, gprof), Developer C++ (ver. 4.9.9.xx), VxWorks's Diab C-Compiler (ver. 5/6), Borland C/C++ - User level programs: <ul style="list-style-type: none"> ▪ Text processing, spreadsheet, data bases: Linux: OpenOffice3.x; Windows: MS Office (95/97/2000/2003), ▪ Specific text editors, Linux specific (vim-gvim, nedit/gedit), ▪ Adobe tools (FrameMaker, Acrobat). - Software design/development tools: <ul style="list-style-type: none"> ▪ Slickedit (visual integrated environment used in software design/debugging), ▪ Qt (visual environment for GUI design), ▪ Versioning Control tools (git, Rational Clearcase, SVN), ▪ Clearmake (Linux/Unix specific compiling automation), ▪ Clarify (software bugs management application), ▪ Macromedia Fontographer 4.11 (typeface design/enhancement).
Artistic skills and competences	<ul style="list-style-type: none"> - Desktop publishing layout and design specific techniques (style, pagination) - personal hobby;
Other skills and competences	<ul style="list-style-type: none"> - Can do reviews and recommendations of cultural medium (books, movies) - personal hobby; - Can conceive the associated text or logo for various promo materials - personal hobby.
Driving licence	<p>B class (since March, 2007).</p>
Additional information	<ul style="list-style-type: none"> - Professional interests <ul style="list-style-type: none"> ▪ Lectures and laboratory activities both in Romanian and English languages held for <i>Numerical Methods</i> - methods and algorithms in using the computer for solving typical mathematical problems (computational mathematics); ▪ Data bases - SQL, normal forms; ▪ Lectures and laboratory for Computer programming Curs - structural programming, low-level programming, programming techniques. ▪ Ongoing preparation of the personal Doctoral thesis in <i>Data Compression</i> applied for real-time systems - archiver (compressor/de-compressor), algorithms and programming techniques. - Civil status: unmarried - Military probation: completed.
Annexes	<p>List of published materials.</p>