

Curriculum Vitae



Personal information

First name / Surname Ene Diana Ramona
Address Bucharest, Romania
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E-mail diana.sanatescu@yahoo.com
Nationality Romanian
Date of birth 10 December 1989

Work experience

QA Automation Engineer -for Spirent May 2017 - present Luxoft Professional Romania Srl

The main activity involves web application testing using Python and Selenium in an agile methodology. Beyond Python and Selenium, networking protocols knowledge is required.

As part of this, I'm responsible for:

- developing new automated tests using our internal framework, run tests, and put them together in test suites;
- run UI tests periodically and maintain scripts;
- develop new test plans based on stories described in Jira;
- manual testing for those new features that are included in the sprint;

Advanced Technical Support Engineer – for Juniper December 2015 – 2017 Luxoft Professional Romania Srl

Main responsibilities:

- Provide Tier 3 Support for VARs, Distributors, service providers, enterprise customers and end users via telephone, e-mail, and web;
- Troubleshoot complicated hardware and software issues, replicate customer environments and network problems in the lab;
- Manage critical customer issues and facilitate communication between customers, escalation, and developers;
- Provide support for junos space application(management application for switches, routers and firewalls) and JSA/qradar (SIEM application)
- Have secure meeting with customers for solving technical issues
- Daily work with Linux, Mysql, SAP, configure juniper devices

Work experience

Network Administrator July 2013- December 2015 at Ministry of National Defence, Bucharest (Romania)

- Troubleshooting system and network problems and diagnosing and solving hardware/software faults;
- Provides Help Desk for server related issues; -Managing Active Directory, Group Policies
- administration of network running on different operating system platforms primarily Windows 2003 Server, 2008 Server, XP, WIN7 and WIN 8
- Monitoring, troubleshooting and improving network security and enforcement of security procedures, security policies
- providing system administration of the LINUX and WINDOWS systems;

Erasmus program 4 months in 2012(Marseille, France) – developing my bachelor project using DSP, C language and Java Android

Master dissertation project in 2015, written in English

The project aimed at implementing an electronic voting system. The thesis/dissertation approached a client-server architecture - C# and applied Paillier encryption for security. The development environments were Visual Studio 2012 and Microsoft Sql Server.

School projects developed in C#, C, Sql Server,C++

Education and training

PhD Student: University Politehnica of Bucharest, Faculty of Electrical Engineer (2015-2021)

PhD thesis title: Research on analysis of analog circuits with hybrid method

PhD Thesis papers::

1. **Diana – Ramona Sănătescu**, Lucian – Vasile Ene, Mihai Iordache, “*Research on Analysis of Analog Circuits with Hybrid Method*”, IEEE Xplore, 2016 International Conference on Applied and Theoretical Electricity (ICATE), DOI: 10.1109/ICATE.2016.7754703, Page(s): 1 – 7, Publisher: IEEE.
2. Ene Lucian-Vasile, **Sănătescu Diana Ramona**, “*Contributions to transfer wireless electromagnetic energy to electric cars*”, 11 Noiembrie 2016 Simpozionul de mașini electrice SME’16, SME16_paper_6.
3. Lucian-Vasile Ene, Aurel Chirilă, Dragoș Deaconu, **Diana-Ramona Sănătescu**, “*Sistem de acționare electrică pentru reglarea vitezei unei mașini asincrone trifazate de la distanță cu un PLC*”, 11 Noiembrie 2016 Simpozionul de mașini electrice SME’16, SME16_paper_7.

4. Lucian-Vasile Ene, **Diana-Ramona Sănătescu**, "*Electric Drive System for Speed Adjusting of a Three-Phase Asynchronous Motor using a PLC for Propelling an Electric Vehicle*", Proceeding of the 10th International Symposium Advanced Topics in Electrical Engineering – ATEE'17, March 23-25, 2017 Bucharest, Romania, Editura Politehnica Press, ISBN: 978-1-5090-5160-1/17/\$31.00 ©2017 IEEE, Publisher: IEEE.
 5. Lucian-Vasile Ene, **Diana-Ramona Sănătescu**, Cristian Sandu, Teodor-Cătălin Bibirică, Mihai Iordache, "*Simulation of Magnetically Coupled Coils in Ansoft Q3D Extractor Program*", Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017, May 24-26, Brasov, România, 2017, IEEE Xplore, INSPEC Accession Number: 17028093, DOI: 10.1109/OPTIM.2017.7974971, Publisher: IEEE.
 6. **Diana-Ramona Sănătescu**, Lucian-Vasile Ene, Alexandra Ionescu, Alina Oroșanu, Iordache M., "*A new approach for nonlinear analog circuits analysis*" U.P.B. Sci. Bull., Series C, Vol. 81, Iss. 3, 2019 ISSN 2286-3540, 2019.
 7. Alexandra Ionescu, Alina Oroșanu, **Diana-Ramona Sănătescu**, Iordache M., "*A new approach on Chua's circuit analysis*" U.P.B. Sci. Bull., Series C, Vol. 81, Iss. 4, 2019 ISSN 2286-3540, 2019.
 8. Mihai Iordache, Marilena Stanciulescu, **Diana Sanatescu**, Sorin Deleanu, Alexandra Ionescu, Anastasie Moscu, Lavinia Bobaru, „CSAP and TFSG – Circuit Symbolic Analysis Programs”, SIELMEN 2019 - 12-th International Conference on Electromechanical and Power Systems 10 – 11 October 2019, Chișinău Rep. MOLDOVA
 9. Razvan Asanache, Mihai Iordache, **Diana Sanatescu**, Mihaela Turcu, Alexandru Grib, Lucian Ene „Wireless Charging Systems for Electrical Vehicle Batteries”, ECAI-2020 (12th Edition of International Conference on Electronics, Computers and Artificial Intelligence): Nr. 5
- The Faculty of Engineering in Foreign Languages (2013 -2015), Master / **Polytechnic Bucharest**, "SOFTWARE ENGINEERING"
 - **Military Technical Academy of Bucharest** –Faculty of Electronics Telecommunication and Information Technology Systems, Domain- Systems Engineering – (2009-2013)
 - "**Ecaterina Teodoroiu**" High School, Targu Jiu Mathematics-Computer specialization(intensive profile)

Personal skills and competences

- Advanced IT skills
 - Linux System Administration
 - Network Administration
 - programming language C, C++, C#, SQL
 - UML skills (use case, sequence, activity, component diagram)
 - Software Engineering Phases - User, Software Requirements, Architectural Design, Detailed Design phase
 - Software Testing
 - Bash scripting

Personality

- Optimistic
- Punctual
- Sociable
- Good Team Worker
- Hard Working

Certifications and Diplomas

- JNCIA certification -2016
- Master degree in software engineering at UPB - 2015
- CCNA Exploration Diploma(the four modules) - 2014(TCP/IP stack, configure a switch, router, simulations in Cisco Packet Tracer, Wireshark)
- Bachelor diploma in Computer Science – 2013
- Linux Administration(Basic and Server) Diploma, Crystal Mind Academy - in 2012(creating bash shell scripts, understand configure DHCP,BIND,APACHE,MySQL, understand NETFILTER framework (iptables), Linux processes)
- Bacalaureat Diploma -2009

Foreign Languages

English

- Speaking:advanced
- Writing:advanced