




## Marius-Lucian Gal

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### WORK EXPERIENCE

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[ 01/10/2017 – Current ] **Team Coordinator for Labeling Team and Testing Team**

#### ***Bertrandt***

**City:** Sibiu

**Country:** Romania

#### **Main activities and responsibilities:**

First contact person for the Vertical and Lateral Dynamic Management team:

- Make the processes as easy as possible to follow and implement the changes that occur during the project.
- Scrum Master (Daily Meetings, Sprint Review).
- Make sure that every team member is working on the assigned order without impediments.
- Organize the team, help the team when necessary, complete all the necessary reports.
- Organize the meetings with the client and present the overview regularly.
- Document lessons learned and involve the team in process work procedures improvement.
- Complete the reports with the workload, tasks.

Team Coordinator for the Labeling Team:

- ensure that the quality provided to the clients fits the requirements;
- take care of the integration of new colleagues within the team and training them;
- implement within the team the processes from the HQ;
- documenting lessons learned and involve the team in process work procedures improvement;
- organizing the work so the processes are clear and simple to follow.

[ 01/07/2017 – Current ] **Software Developer In Test**

#### ***Bertrandt - BMW***

**Address:** Sibiu, Romania

**City:** Sibiu

**Country:** Romania

#### **Main activities and responsibilities:**

Daily activities:

- Vector and parameter testing for Lateral Management of the automobile.
- Requirements testing Level C and D for Lateral and Vertical Management of the Car.
- Software testing vector-based: create tests vector and adapt the parameters to verify that the code is coverable 100%, with no dead code lines. If there are any problems, document the issue and give a possible solution to the problem.
- Software testing requirements based - black-box testing: C unit and D unit testing.
- Automotive software validation norms and documentation.
- Report problems and provide possible solutions.

Tools: Jira, MATLAB/Simulink, Time Partition Testing (TPT), Doors.

[ 16/02/2016 – 30/06/2017 ] **Software Test Engineer**

***ProIT (extern for Audi AG)***

**Address:** Sibiu, Romania

**Main activities and responsibilities:**

- Software testing in Python, functional testing based on offline simulations and vehicle measurements, project-specific specification and documentation.
- Direct communication with the client.
- Find writing problems at requirements, the conflict between them, track the conflict and explain the problem.
- Found and help to fix problems in the software provided.
- Developing Python scripts in Time Partition Testing (TPT) for Model/Software or Processor-in-the-loop simulations.
- Review software specifications.
- Development of test cases using TPT(Time Partition Testing).
- Creation of test reports.
- Run created tests in MIL/SIL/PIL and B2B ( Model in the Loop/Software in the loop/ Processor in the Loop and Back to Back).

[ 19/08/2013 – 14/02/2016 ] **Algorithm Test Engineer - Short Range Lidar**

***Continental Automotive Systems***

**Address:** Sibiu, Romania

**Main activities and responsibilities:**

- develop and create test cases for algorithms, for specific situations and check them at the set intervals boundaries
- update tools for specific systems for internal and external customers respecting performance, timing and quality and process
- activities which combine analytical and design knowledge with software and hardware technology, in the sense of designing, testing, implementation and modification of test cases
- link the test cases to the specific requirement in Doors
- participate and check the work of other colleagues at review meetings
- perform black box testing, resource usage testing, performance testing

[ 01/07/2012 – 30/08/2012 ] **Apprenticeship - Automation Software Engineer**

***Evoline***

**Address:** Cluj-Napoca, Romania

**Main activities and responsibilities:**

- Update the specific train route to a newer one with high attention to details.
- C++ knowledge.
- Railroads engineering acquaintance.
- Developing new test cases for certain situations.
- Check that the train route is correctly implemented.
- Find the best and most fitted routes for the updated train route.

## **EDUCATION AND TRAINING**

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[ 01/10/2017 – Current ] **PhD. Student in the field of Engineering and Management**

***Lucian Blaga University of Sibiu***

**Address:** Sibiu, Romania

**Main subject / occupational skills covered:**

The research thesis focuses on how can offshoring of a software automotive company can become faster and more qualitative.

Involved techniques: 6 Sigma, 5 Why's, Pareto, Simultaneous Engineering, Scrum.  
Develop a model that will help an automotive company to improve its process and help assigning the resources better on projects.  
Member of the organizing committee of  
9<sup>th</sup> Balkan Region Conference on Engineering and Business Education (BRCEBE)  
and  
12<sup>th</sup> International Conference on Engineering and Business Education (ICEBE): <http://conferences.ulbsibiu.ro/brcebe/>

[ 01/09/2013 – 27/06/2015 ] **M.Sc. Diploma in Quality Management (10)**

***Lucian Blaga University***

**Address:** Sibiu, Romania

**Main subject / occupational skills covered:**

- Maximum grade at the dissertation paper presentation.
- Finished in the top three of the class.
- Statistic control of the process.
- Reliability and maintenance of the systems.
- Marketing management.
- Total quality management (TQM).
- Experimental research and data adaptation.
- Technics and quality instruments.

[ 01/09/2009 – 29/06/2013 ] **Bachelor of Science(B.Sc) in Electronics and Telecommunications**

***Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications***

**Address:** 34 George Barițiu, Cluj-Napoca, Romania

**Main subject / occupational skills covered:**

- digital communication systems
- electronic devices
- power electronic devices
- computer architecture design
- passive circuits
- digital signal processing
- software in Telecommunications
- C++ Programming
- microprocessors

**ISTQB Foundation**

***ISTQB® (International Software Testing Qualifications Board)***

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**LANGUAGE SKILLS**

**Other language(s):**

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

**German**

**LISTENING A2 READING A2 WRITING A2**

**SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2**

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

Good communication skills gained through my experience with different culture people. As a Team Speaker, I am always learning new things and evolve in dealing with various situations and characters.

## JOB-RELATED SKILLS

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### Job-related skills

- Good knowledge of the quality process.
- Python knowledge.
- Rational Doors, MKS applications acquaintance.
- Infrared waves in conduct and acquisition.
- Oriented on continuous improvement.
- Leading the team towards the goal.
- Internal processes optimization.