



Zsuzsanna-Ilona Şuta

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● WORK EXPERIENCE

ENGINEERING LECTURER – TECHNICAL UNIVERSITY OF CLUJ-NAPOCA – 01/03/2019 – Current – CLUJ-NAPOCA, ROMANIA

Business or Sector: Education | **Department:** Communications Department | **Email:** zsuzsanna.suta@com.utcluj.ro | **Website:** www.utcluj.ro

Main activities:

- Teaching different disciplines:
 - Communication techniques for intelligent transportation systems for 2nd year MSc students
 - Telephony for 3rd year bachelor students
- Creation of teaching materials:
 - Courses
 - Laboratory works: practical implementation of theoretical aspects, mainly based on Matlab/Simulink; GNURadio combined with SDR boards, evaluation of signaling using spectrum analyzers and oscilloscopes.
- Coordination of student groups
- Student evaluation
- Leading of semester projects
- Leading of bachelor and master thesis

UNIVERSITY TEACHING ASSISTANT – TECHNICAL UNIVERSITY OF CLUJ-NAPOCA – 01/02/2014 – 28/02/2019 – CLUJ-NAPOCA, ROMANIA

Main focus on laboratory works for the following disciplines:

- Telecommunication System with High Spectral and Energy Efficiency for 2nd year MSc students
- Telephony for 3rd year BSc students

RESEARCH ENGINEER – TECHNICAL UNIVERSITY OF CLUJ-NAPOCA – 01/10/2010 – 31/08/2014 – CLUJ-NAPOCA, ROMANIA

FP7 UCONNECT project which aimed to develop an ubiquitous connectivity solution for public transport.

Main responsibilities:

- contributions to project deliverable;
- scientific articles;
- implementation and evaluation of multiple algorithms used for load balancing and vertical handover in heterogeneous wireless networks using C programming language;
- implementing proof of concept solutions using Matlab;
- attending scientific conferences to make the research results visible.

BUSINESS ANALYST – AROBS TRANSILVANIA SOFTWARE – 01/09/2025 – 17/04/2026 – CLUJ-NAPOCA, ROMANIA

Main responsibilities as Business Analyst:

- Requirements gathering and process analysis: engage with clients to understand business requirements, assess processes for automation suitability, and identify optimization opportunities; conduct workshops to document current processes (As-Is) and design optimized future processes (To-Be) with a focus on automation.
- Solution design and documentation: translate business requirements into detailed functional specifications and user stories for the development team; prepare solution proposals, including high-level designs and business cases.
- Stakeholder management and communication: serve as the main point of contact between the client, project teams, and internal stakeholders to ensure alignment on project goals and expectations; facilitate regular status updates and address stakeholder feedback throughout the project lifecycle.
- Demonstrations and proof of concept
- User acceptance testing and validation: collaborate in User acceptance testing to validate that the solution meets business requirements and support clients in testing and validation phases.
- Change management and User training: support change management initiatives, including user training and documentation, to drive smooth adoption and successful transition of the solutions.

SOFTWARE REQUIREMENTS ANALYST – PORSCHE ENGINEERING ROMANIA – 01/03/2020 – 30/11/2020 – CLUJ-NAPOCA, ROMANIA

Main activities and responsibilities on BMS HIL and EV charging standards projects: interfacing between developers, architects and other stakeholders.

- analysis of the customer requirements
- requirements management
- requirement elicitation
- requirement change assessment in cooperation with software and hardware engineers
- requirements engineering related project statistics
- ASPICE compliant working
- ASPICE audit participation

SOFTWARE REQUIREMENTS ANALYST – AROBS TRANSILVANIA SOFTWARE – 01/10/2022 – 30/06/2025 – CLUJ-NAPOCA, ROMANIA

Business or Sector: Information and communication | **Email:** zsuzsanna.suta@arobs.com

Software requirements engineer in automotive projects, like BCM and Gateway, with following responsibilities:

- SW requirements elicitation including safety requirements
- alignment of SW requirements with system and stakeholder requirements
- analysis of the system requirements and the derivation of software requirements based on all relevant inputs
- feasibility analysis of SW requirements
- interfacing with system engineers, developers, architects and other stakeholders
- requirements management
- requirement prioritization
- KPI monitoring
- ASPICE compliant working
- participation in assessments and technical reviews of the project
- providing training materials on ASPICE

PRODUCT OWNER – AROBS TRANSILVANIA SOFTWARE – 01/03/2019 – 31/01/2020 – CLUJ-NAPOCA, ROMANIA

Main activities for HUD project:

- product backlog management
- backlog item prioritization
- clear expression of backlog items
- task tracking
- sprint planning and review
- synchronization with stakeholders
- clarifications for unclear backlog items
- offering a vision for the geographically distributed scrum team
- change management
- estimations from task level to project level
- project milestone planning
- requirements management
- error handling
- quality assurance process to ensure ASPICE compliance of the delivered code and project documents

TECHNICAL LEAD – AROBS TRANSILVANIA SOFTWARE – 01/06/2015 – 31/03/2019 – CLUJ-NAPOCA, ROMANIA

Main activities and responsibilities during HUD project:

- coordinate the HMI model development team
- leading of the development process
- ensure the quality of the delivered code
- create and maintain module documents according to the software quality process
- analyzing and developing customer requirements
- collaboration with test engineers, SW PM, other function responsible and developers
- define the guidelines for development
- support the team in case of problems
- define training plan for new colleagues
- provide the trainings
- leading, organizing and attending administrative activities and meetings
- performance reviews
- supporting the carrier path of team members.

- Main activities and responsibilities for HMI development:
- following the development guidelines
 - write code
 - perform unit tests
 - create and update module documents
 - perform code and document reviews.

● EDUCATION AND TRAINING

01/10/2009 – 30/09/2012 Cluj-Napoca, Romania

PHD Technical University of Cluj-Napoca

Website www.utcluj.ro

01/10/2008 – 30/06/2010 Cluj-Napoca, Romania

MSC Technical University of Cluj-Napoca

Website www.utcluj.ro

01/10/2003 – 30/06/2008 Cluj-Napoca, Romania

DIPL. ENG. Technical University of Cluj-Napoca

Website www.utcluj.ro

10/03/2019 – 13/03/2019 Cluj-Napoca, Romania

CSPO Scrum Alliance

Website www.scrumalliance.org

● LANGUAGE SKILLS

Mother tongue(s): HUNGARIAN | ROMANIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Tools & programming

IBM rational DOORS | Requirements Management on DOORS | Matlab/Simulik | GNU Radio | LucidCharts | Home Assistant | Git, Git Hub, SVN | EBGuide | C | C++ | Vector CANoE | Eclipse

Process & standards

V-Model | ASPICE PROCESS | Agile-Scrum | Atlassian (JIRA/CONFLUENCE) | ASPICE (Process Guidelines) | Software Development Processes | ISO 26262 | analyse software specifications | software design methodologies

Documentation

Microsoft Office (Outlook, Excel, Word, PowerPoint) | LaTeX (very good)

Other

Home Automation | Experimentation with Software-Defined Radio (SDR) | LIN | CAN | UDS ISO14229 | Automotive Ethernet | CANFD