



# Adrian-Ioan Argeșanu

## ABOUT ME

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11+ years of experience, 6+ of which as a people leader, in engineering of software and data science solutions for automated, augmented and interactive assessment of pipeline inspection data.

## WORK EXPERIENCE

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[ 11/2023 – Current ]

### **Senior Engineering Manager - EMAT/UT Software and Data Science**

*Process & Pipeline Services, Baker Hughes*

**City:** Karlsruhe

**Country:** Germany

Leader of a global multidisciplinary team tasked with engineering and maintenance of cloud software and data science solutions and platforms for high-throughput low-latency assessment of data recorded during pipeline inspections, deployed in Daas/MSaaS environments.

[ 06/2017 – 11/2023 ]

### **Software Engineering Manager - Ultrasonic Technology**

*Process & Pipeline Services, Baker Hughes*

**City:** Karlsruhe

**Country:** Germany

[ 08/2016 – 06/2017 ]

### **Senior Software Engineer**

*Process & Pipeline Services, Baker Hughes*

**City:** Karlsruhe

**Country:** Germany

[ 12/2015 – 08/2016 ]

### **Lead Software Engineer**

*Process & Pipeline Services, Baker Hughes*

**City:** Karlsruhe

**Country:** Germany

[ 07/2012 – 12/2015 ]

### **Software Engineer**

*Process & Pipeline Services, Baker Hughes*

**City:** Karlsruhe

**Country:** Germany

## EDUCATION AND TRAINING

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[ 2017 – Current ]

### **PhD in Systems Engineering**

*Politehnica University of Timișoara*

**City:** Timișoara

**Country:** Romania

**Thesis:** AI-Based System for Advanced Analysis of Pipeline Crack-Detection Data in Fluid Transportation

[ 2011 – 2013 ]

**MSc in Software Engineering**

***Politehnica University of Timișoara***

**City:** Timișoara

**Country:** Romania

**Thesis:** High Performance Data Acquisition and Analysis for EMAT Pipeline Inspections

[ 2007 – 2011 ]

**BSc in Computer Engineering**

***Politehnica University of Timișoara***

**City:** Timișoara

**Country:** Romania

**Thesis:** Adaptive Scheduling Algorithms for Wireless Networks with Location-dependent Errors

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**LANGUAGE SKILLS**

**Mother tongue(s):** German , Romanian

**Other language(s):**

**English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

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

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**PUBLICATIONS**

**From Data To Decisions: The Importance Of Monitoring ML Systems In Industrial Settings**

A. Argeșanu, G. Andreescu, *ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, And ENGINEERING*, vol. 66, no. 3, 2023

**Streamlining Machine Learning Workflows in Industrial Applications with CLI's And CI/CD Pipelines**

A. Argeșanu, G. Andreescu, *ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, And ENGINEERING*, vol. 66, no. 3, 2023

**A Platform to Manage the End-to-End Lifecycle of Batch-Prediction Machine Learning Models**

A. Argeșanu, G. Andreescu, *2021 IEEE 15th International Symposium on Applied Computational Intelligence and Informatics (SACI)*, Timisoara, Romania, 2021, pp. 329-334, doi: 10.1109/SACI51354.2021.9465588

**Accelerating Data Ingress for Range-Scan Optimized HBase Instances**

A. Argeșanu, G. Andreescu, *2021 IEEE 15th International Symposium on Applied Computational Intelligence and Informatics (SACI)*, Timisoara, Romania, 2021, pp. 341-344, doi: 10.1109/SACI51354.2021.9465633