



Andreea Elena Drăgnoiu

Agile Developer, Scrum Master & Researcher In Data Science, PPTs, DLT (Blockchain), AI

 Otopeni, 075100 IF

 0721586635

 panaitandreea01@gmail.com

Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/andreea-elena-dragnoiu>
- <https://scholar.google.com/citations?user=BFmfsIEAAAAJ&hl=en&oi=ao>
- https://www.researchgate.net/profile/Andreea-Panait-Dragnoiu?ev=hdr_xprf

I am an Agile Developer, currently working at certSIGN, a leading provider of digital trust services in Romania and an Associate Researcher at the University of Bucharest, Department of Computer Science. I have a Master's degree in Artificial Intelligence from the University of Bucharest, Romania, where I learned how to design, implement, and evaluate intelligent systems and applications. I have over 8 years of work experience in databases and various web technologies. I also have experience in reviewing papers for multiple conferences and journals related to blockchain and digitalization, writing software development articles, and teaching computer science. I am passionate about solving complex problems, learning new skills, and creating innovative solutions that improve the security and efficiency of digital transactions. My core competencies include agile software development, databases, blockchain, artificial intelligence, and team leadership.

Skills

- Database Development
- Blockchain Technology
- Data Science
- Artificial Intelligence
- Agile Framework
- Scrum Master

Work History

• **Agile Scrum Master and Database Developer**

CertSign, BUCHAREST

Company Overview: Research in the information science field using electronic signatures, PKI, cybersecurity, digital identity and archive options

2021-07 - Current

AEDK

2018-10 - 2025-09

Job description:

- Scrum Master and Database Developer for internal projects. Help the Product Owner in managing the projects
- Facilitated Scrum framework – sprint planning, backlog grooming, daily scrums, sprint reviews, and sprint retrospectives.
- Planned Agile best practices and encouraged team cohesion, overcoming impediments, and hurdles to productivity.
- Collaborated closely with product owners to prioritize backlog items based on business value and stakeholder needs.
- Led sprint reviews and planning meetings to promote full team engagement.
- Promoted transparency within the project lifecycle by maintaining up-to-date documentation on progress, risks, and milestones achieved.

● **Researcher PhD Student**

University of Bucharest, BUCHAREST

Company overview: Being part of a grant of the Ministry of Research, Innovation and Digitalization, CNCSCCCI - UEFISCDI, project number ERANET-CHISTERA-IVPATTERN, within PNCDI IV

Job description:

- Research in the identity management blockchain domain
- Conducted thorough literature reviews to identify gaps in knowledge and inform future research directions.
- Gathered and organized information for research purposes.
- Conducted comprehensive literature reviews for foundational understanding, leading to groundbreaking insights.
- Increased research visibility, presenting findings at international conferences.
- Reviewed technical and professional publications and journals to stay current on recent literature and make more strategic research decisions.
- Conducted academic research, contributing valuable findings to faculty's knowledge base.

2020-12 - 2025-08

● **Computer Science Researcher - Technical Program Member**

Freelancer, BUCHAREST

Company Overview: IT Researcher

Job description:

- Part of the Technical program committee
- Review papers for several conferences:
 1. 41st International Conference on Information Systems (ICIS 2020)
 2. 16th International Conference on Web and Social Media (ICWSM 22)
 3. The 5th IEEE International Congress on Blockchain and Applications (BLOCKCHAIN'22)
 4. BLOCKCHAIN & CRYPTOCURRENCY CONGRESS (B2C' 2022)
 5. Security and Communication Networks Journal
 6. International Conference on Digitalization and Management Innovation (DMI 2022, DMI2023)
 7. The 6th IEEE International Congress on Blockchain and Applications (BLOCKCHAIN'23)

AEDig

2019-10 - 2021-07

8. ACM CHI Conference on Human Factors in Computing Systems (CHI 2023)
9. 18th International Conference on Web and Social Media (ICWSM 24)
10. The 7th IEEE International Congress on Blockchain and Applications (BLOCKCHAIN'24)
11. 9th International Conference on Communication and Electronics Systems ICCES 2024
12. International Congress on Blockchain and Applications (BLOCKCHAIN'24, BLOCKCHAIN'25)
13. International Conference on Visual Analytics and Data Visualization ICVADV 2025

● **Agile Scrum Master, Product Owner and Blockchain Researcher**

CertSign, BUCHAREST

Company Overview: Digital signature provider, remote service signature provider, digital archive, tachograph cards

Job description:

- Technical Product Owner on recruitment internal project (Java, React.js, Oracle SQL Database, CentOS)- manage of tasks using Jira tool, CI pipeline using Jenkins, manage repositories using Phabricator and BitBucket
- Technical Product Owner on integrating existing projects with Blockchain technology projects
- Researcher on Blockchain Identity Management
- Publishing the article State-of-the-Art Blockchain Approach to the ETSI Implementation for Long-Term Preservation Solutions
https://link.springer.com/chapter/10.1007/978-3-031-06371-8_35
- Being part of certMe application delivery:
<https://www.certme.ro/personal>

2018-08 - 2021-07

● **Database Developer**

CertSign, BUCHAREST

Company Overview: Digital signature provider, remote service signature provider, digital archive, tachograph cards

Job description:

- Database Developer (Oracle, DB2)
- Developing database objects and reports with SQL and PL/SQL
- Developing Linux scripts
- Database optimizations
- Database design
- Database and application testing
- Database integration with web applications
- Database Continuous Development using RedGate, dbForge, BitBucket
- Documentation of applications (component diagrams, sequence diagrams, use cases)
- Virtual Machine configuration (using VMware vSphere)
- Developed scripts and processes for data integration and maintenance.
- Created and updated database designs and data models.

2018-10 - 2021-05

● **Undergraduate Teaching Assistant**

University of Bucharest, BUCHAREST

AZSg

Company Overview: Faculty of Mathematics and Computer Science
Job description:

- Teaching assistant for Database laboratory - 2 groups of 2nd year students at Computer and Information Technology , 1st semester of university year 2018-2019
- Teaching assistant for Blockchain laboratory - optional course for 3rd year students at Informatics, 2nd semester of university year 2018-2019
- Teaching assistant for Blockchain laboratory - optional course for 3rd year students at Informatics, 2nd semester of university year 2019-2020
- Teaching assistant for Blockchain laboratory - optional course for 3rd year students at Informatics, 2nd semester of university year 2020-2021
- Labs available at: <https://medium.com/@dragnoiuandreea>
- Contributed to creation of online resources, making course materials more accessible to students.
- Contributed to academic research projects, enriching course content with cutting-edge information.
- Strengthened students' exam preparation with creation of comprehensive study guides.

2020-03 - 2020-05

IT Content Writer

Medium, BUCHAREST

Company Overview: Online publishing platform

Job description:

- Writing computer science articles with focus on Blockchain technologies, using Node.js, Truffle, Solidity, Remix IDE, web3.js, Infura, Ganache, React.js, Metamask
- Published articles: <https://medium.com/@dragnoiuandreea>

2017-03 - 2018-02

Junior Database Administrator

RCI Leasing Romania IFN S.A, Group Renault, BUCHAREST

Company Overview: Leasing Company for Dacia, Renault and Nissan

Job description:

- Database administration of a Microsoft SQL Server database
- Technical support for internal users
- Creating reports using Crystal Reports, Sql Server Reporting Services
- Creating, updating and maintaining database procedures and triggers using PL/SQL and T-SQL
- Excel data retrieval using Visual Basic for Applications
- Maintaining and creating Access Databases
- Development of Internal projects using ASP.NET
- Modified databases to meet needs and goals determined during planning process.

2016-02 - 2016-08

Working Student Within Enterprise Business Intelligence Engineering Team

1&1 Internet Development SRL, BUCHAREST

Company Overview: German Company responsible for hosting, mail and media

Job description:

- ETL Development, DWH/BI Development using SQL, PL/SQL
- Creation of database procedures and reports in a Sybase IQ database
- Development of the back-end and front-end part of the reports (SQL)

AZDing

2015-02 - 2015-10

- Data extraction, data transformation and data loading using an internal tool
- Improvement of the back-end part for existing reports
- Testing and fixing errors for existing reports
- Successfully delivered the required JIRA tasks

Programmer/Tester

Freelancer, BUCHAREST

Company Overview: IT Company

Job description:

- Tester, Software Developer, IT Support
- Part-time flexible job
- Project-based job
- Content and client management for industrial company built with C#, ASP.NET MVC, MySQL - Responsibility: Tester, IT Support, bug fixing
- Content management for oil company built with C#, ASP.NET MVC, MS SQL - Responsibility: Tester and Developer of Models and Views
- Development of the architecture of the application: models, views and controllers
- Updating the database of the project periodically
- Testing the web application according to the specifications



Education

2018-05 - 2024-12

Ph.D.: Informatics

Faculty of Mathematics And Computer Science, University of Bucharest - Bucharest, Romania

Ph.D Researcher on Blockchain Identity Management

2016-10 - 2018-06

Master Degree: Informatics

Faculty Of Mathematics And Computer Science, University Of Bucharest - Bucharest, Romania

- Masters Domain: Artificial Intelligence.
- Projects: Database Security project (SQL, PL/SQL, Microsoft SQL Server), Oracle Forms&Reports project (Oracle, Forms, Reports), Software Management project (simulation of project plan)

2013-10 - 2016-06

Bachelor Degree: Informatics

Faculty of Mathematics And Computer Science, University of Bucharest - Bucharest, Romania

Important Projects: Website - Touristic attractions in Romania using HTML, CSS, Javascript, Shopping Cart Website using HTML, CSS, Javascript, ASP.NET, Microsoft SQL, WebShop - Online shopping platform built with ASP.NET, HTML, CSS, Javascript, Microsoft SQL, Bachelor degree research project: AI - Expert System to assist the users in choosing a diet using Prolog and Java

2009-09 - 2013-06

High School: Mathematics - Informatics

Ion C. Bratianu College - Pitești, Romania

Bilingual Class - English Intensive



Certifications

- British Academy of Business and Communication - Strategic Management

Ading

- British Academy of Business and Communication - Business Communication
- Cambridge ESOL Level 2 Certificate
- Diplôme d'études en langue française DELF B2
- Cisco Networking Academy - IT Essentials: PC Hardware and Software
- Oracle - Database Design and Programming with SQL
- ECDL - European Computer Driving Licence
- People Centric Certified PL/SQL quiz medium level
- DataCamp Intro to Python for Data Science
- Blockchain Overview: Business Foundations - Blockchain Training Alliance
- Solidity Smart Contracts: Build DApps In Ethereum Blockchain - Udemy
- Blockchain Business Analyst - Modex
- Leadership Foundations - Project Management Institute
- Agile Product Owner Role: Foundations - Project Management Institute
- Agile Foundations - Project Management Institute
- Agile Product Owner Role: Techniques - Project Management Institute
- Advanced Agile: The Team's Mindset - Project Management Institute
- Scrum Advanced - Project Management Institute
- Interpersonal Communication - Project Management Institute
- Agile Project Management by Google - Coursera
- Product Owner Certification & Exam Prep + Scrum Master & AI - Udemy
- Technical Product Management - LinkedIn
- Scrum: The Basics - LinkedIn
- Scrum: Advanced - LinkedIn
- Blockchain: Beyond the Basics - LinkedIn
- Atlassian Agile Project Management Professional Certificate - Atlassian
- Agile Project Management with Jira Cloud: 1 Projects, Boards, and Issues - LinkedIn
- Agile Project Management with Jira Cloud: 2 Lean and Agile Processes - LinkedIn



Desired Job

- Remote part-time/full time job, Flexible Schedule, Work-life balance



Affiliations

- University of Bucharest, Department of Computer Science, Romania



Languages

- **Romanian:**
- English

●●●●●●●●
Proficient (C2)

Handwritten signature in blue ink.

● French

● Spanish

●●●●●●●●
Intermediate (B1)

●●●●●●●●
Limited Working

AEDSJ