

# Costin Catalin MERODE

## Test Manager

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## PROFESSIONAL PROFILE

Test Manager with over 19 years of experience in IT software industry, including manual and automated testing, quality management and QA team leadership. Significant experience in testing complex systems for energy sector (GeFEE platform - electric energy and natural gas management, with clients such as E.ON, Electrica Furnizare, Engie, CEZ), command and control systems for defense (NATO), and IBM enterprise platforms. ISTQB Foundation Level certified, with extended competencies in SQL Server, Oracle, API testing and Agile/Scrum methodologies.

## ROLE IN THE MMS MOLDELECTRICA PROJECT

As Test Manager of the MMS Moldelectrica project, will coordinate entire quality assurance activity:

- Development of testing strategy and test plans for all 7 MMS modules
- Definition and execution of functional, integration, performance and regression test cases
- Testing of market processes: scheduling, balancing, settlement, cross-border capacity, grid losses
- Validation of interfaces with external systems (SCADA/EMS, allocation platforms, ENTSO-E)
- Coordination of User Acceptance Testing (UAT) with Moldelectrica staff
- Validation of failover, backup and disaster recovery mechanisms (SLA 99.5%)

## KEY COMPETENCIES

✓ Manual and automated testing	✓ Test Management (JIRA, TestManager, ALM)
✓ SQL Server, Oracle - queries and validations	✓ API Testing (Swagger, Postman)
✓ Testing of critical systems (defense, energy)	✓ ISTQB Foundation Level certified
✓ Agile/Scrum methodology	✓ Performance and Load Testing

## PROFESSIONAL EXPERIENCE

<b>Software Tester (QA) / Test Manager</b> Ringhel Team SRL (PROCESIO)	Feb 2020 - Present
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*Complex testing of GeFEE platform for electric energy and natural gas management.*

- Manual and automated testing a platformei GeFEE Desktop si Web (CRM) - suita complexa pentru managementul energiei electrice si gazului natural
- Testing of Power Supply, Gas Supply and Power Trading modules - processes similar to MMS (scheduling, contracting, settlement)
- Validation of reports and audit trail for compliance with energy market regulations
- Testing of integration interfaces with systems of distribution and transport operators
- Testing of import/export processes, XML validation and processing of large volumes of energy data
- Creation and maintenance of test case base and regression test plans

**Relevant clients:** E.ON, Electrica Furnizare, Engie, CEZ Romania, Nova Power & Gas

<b>Team Leader Testing &amp; Software Support</b> <a href="#">Interactive Software SRL</a>	Oct 2016 - Jul 2019
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- Manual/automated testing of Command and Control (C2) systems for defense - BC2A product suite
- Coordination of testing team on critical products for NATO armies and Public Safety market
- Testing of HQ, Platform, TNS, DEM, MIP4, FFT modules - systems with strict security and availability requirements
- Experience with mission-critical systems requiring redundancy and failover - direct relevance to MMS

<b>Software Tester (QA)</b> <a href="#">IBM Romania</a>	Apr 2010 - Aug 2016
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- Manual testing of IBM Tivoli Storage Manager (TSM) and IBM Data Protection (Oracle, SQL Server, Exchange)
- Testing of IBM FlashCopy Manager (FCM) - backup and disaster recovery systems
- Migration testing Windows XP -> Windows 7/8.1, application customization according to client requirements
- Experience with backup, restore and disaster recovery processes - direct relevance to MMS

<b>Software Developer / Java Developer</b> <a href="#">Straero SA / AQUASoft SRL / Electra Total Consulting</a>	2003 - 2010
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- Development of flight simulator (Matlab, Simulink) - critical systems with strict performance requirements
- Development of Java EE applications (email, calendar, SMS, real estate) with MySQL, Hibernate, GlassFish
- Development of accounting and administration applications (VB.NET, SQL Server)
- Design of industrial electrical installations - relevant experience in energy field

## EDUCATION

### Master's - Modeling of Electromagnetic Devices

[Universitatea Politehnica, Facultatea de Inginerie Electrica](#)

2000 - 2001

### Bachelor's - Aerospace Engineering

[Universitatea Politehnica](#)

1998 - 2003

### Bachelor's - Electrical Engineering (Engineering Mathematics)

[Universitatea Politehnica](#)

1995 - 2000

## CERTIFICATIONS AND COURSES

- ISTQB Foundation Level (2018)
- IBM DB2 9.7 Academic Workshop (2015)
- IBM COGNOS Workshops (2011, 2015)
- Microsoft SQL Server Courses (2006, 2007)

## FOREIGN LANGUAGES

- Romanian - Native
- English - Advanced