

Marius Valentin DRAGANUS

Functional Architect

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PROFESSIONAL PROFILE

Functional Architect and Senior Software Engineer with over 16 years of experience in designing and developing complex enterprise software systems. Solid experience in translating business requirements into detailed technical specifications, designing functional architectures for integration platforms and CRMs, full-stack development (PHP, JavaScript, MS SQL, Oracle) and integration with external systems. Within Ringhel Team, contributed to functional design of software platforms used by energy sector clients (E.ON, Electrica, Engie). Previous experience as IT Solutions Architect at Telekom Romania, with focus on enterprise cloud solutions (AWS, Azure, Google Cloud).

ROLE IN THE MMS MOLDELECTRICA PROJECT

As Functional Architect of the MMS Moldelectrica project, you will design the functional architecture of the entire system:

- Development of High Level Design (HLD) and Low Level Design (LLD) documentation for all MMS modules
- Mapping of energy market business processes (scheduling, balancing, settlement, cross-border capacity) into system functional flows
- Definition of functional interfaces between MMS modules and external systems (SCADA/EMS, allocation platforms, ENTSO-E)
- Validation of compliance with ENTSO-E standards (ESS, ECAN, ERRP, FSKAR)
- Specification of data validation rules and business rules engine
- Coordination with market specialists for validation of functional requirements

KEY COMPETENCIES

✓ Functional architecture of enterprise systems	✓ PHP frameworks (Yii, Laravel, Symfony)
✓ Databases (MS SQL, Oracle, MySQL, PostgreSQL)	✓ API Design (RESTful, SOAP, XML, JSON)
✓ Cloud Solutions (AWS, Azure, Google Cloud)	✓ Full-stack development (PHP, JavaScript, Vue.js, React)
✓ IT Solutions Architecture (Telekom Romania)	✓ Integration of external systems and data flows

PROFESSIONAL EXPERIENCE

Senior Software Engineer / Functional Architect Ringhel Team SRL (PROCESIO)	Iul 2021 - Present
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Functional design and development of software platform for energy sector.

- Functional architecture design of energy management modules (GeFEE) - scheduling, contracting, settlement
- Full-stack development with PHP/Yii framework, MS SQL, JavaScript, Vue.js and React.js
- Implementation of RESTful and SOAP APIs for integration with market operator systems
- Design and management of MS SQL and Oracle databases for processing large volumes of energy market data

- Translation of business requirements from energy clients into detailed functional specifications
- Resolution of complex technical issues and optimization of enterprise web applications

Relevant clients: E.ON, Electrica Furnizare, Engie, CEZ Romania

IT Solutions Architect Telekom Romania	Mar 2020 - Iul 2021
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- Design and implementation of enterprise IT solutions at organizational level
- Collaboration with stakeholders for requirements gathering and functional architecture definition
- Deployment of cloud solutions (AWS, Azure, Google Cloud) with focus on scalability and security
- Technical leadership and development team mentoring

Full-stack Developer Ringhel Team SRL	Mai 2019 - Mar 2020
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- Development of web applications with PHP/Yii and MSSQL for energy management platform
- Implementation of RESTful APIs and database schema optimization

Full-stack Developer Digital Cable Systems	Mar 2013 - Mai 2019
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- Development of complex web applications for telecom industry with PHP and Oracle
- Development of RESTful APIs, optimization of queries and stored procedures
- Experience with systems for processing large volumes of data and external system integration

Web Developer Class IT Outsourcing / Indra Soft / Active Soft	Iun 2008 - Mar 2013
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- Development of web applications (PHP, Laravel, Symfony, Yii, MySQL, PostgreSQL, MSSQL)
- Database design and management, integration of third-party APIs, performance optimization
- Applications for the insurance industry - experience with regulated systems and compliance

EDUCATION

Computer Science

Universitatea Spiru Haret

2005 - 2012

Profil Informatic

Liceul Al.I.Cuza, Alexandria

1997 - 2001

FOREIGN LANGUAGES

- Romanian - Native
- English - Advanced (Professional Proficiency)