

Victor ROSU

Arhitect Tehnic

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PROFESSIONAL PROFILE

Senior Software Architect with over 17 years of experience in designing and implementing complex software systems, including enterprise platforms, CRMs, ERPs and integration systems. Extensive experience in designing scalable technical architectures, deployment on Azure AppServices and dedicated servers, database management (MS SQL, MySQL, Elasticsearch) and RESTful API development. Within Ringhel Team, led technical design of software platforms used by major operators in the Romanian energy market (E.ON, Electrica Furnizare, Engie, CEZ).

ROLE IN THE MMS MOLDELECTRICA PROJECT

As Technical Architect of the MMS Moldelectrica project, you will design the entire technical infrastructure of the system:

- Design of technical architecture of MMS platform (servers, network, storage, virtualization) for Main Site and Back-up Site
- Definition of deployment strategy across 3 environments (Production, Test, Disaster Recovery)
- Ensuring 99.5% availability and complete redundancy (failover < 5 min DB, < 1 min processes)
- Security design (SSO, LDAP/AD, 2FA, traffic encryption, Internet isolation)
- Specification of the backup solution (daily incremental, monthly full, quarterly validation) and data replication between sites
- Design of network infrastructure (firewall, routers, segmentation) and integration with SCADA/EMS

KEY COMPETENCIES

✓ Arhitectura tehnica sisteme enterprise	✓ PHP (CakePHP, Laravel, Yii), Python (Django)
✓ JavaScript/TypeScript (Vue.js, jQuery, Node)	✓ Deployment Azure AppServices, servere dedicate
✓ MS SQL, MySQL, Elasticsearch, Percona	✓ API Design (RESTful, SOAP, XML, JSON)
✓ IT Security (SSL, encryption, authentication)	✓ Technical Team Leadership, Scrum Master

PROFESSIONAL EXPERIENCE

Senior Software Engineer / Arhitect Tehnic Ringhel Team SRL (PROCESIO)	Oct 2020 - Present
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Design and implementation of the technical architecture of software platforms for the energy sector.

- Architecture and development of web application modules for energy management platform (GeFEE)
- Design and implementation of microservices-based ERP with RESTful APIs
- Development of internal CMS (Knowledge Base, client management, notifications, Newsletters)
- Optimization of MS SQL database structure, queries and stored procedures for processing large volumes of data
- Deployment and management on internal dedicated servers and Azure AppServices
- Technical Team Leader and Scrum Master for development projects

- Integration with external energy market systems through REST and SOAP APIs

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

Senior Software Architect Reekover Storage	Jan 2017 - Sept 2020
<ul style="list-style-type: none"> • Project manager and lead developer for complex custom web applications • Development of CRM and eCommerce platforms with CakePHP, Bootstrap, MySQL/MS SQL • Implementation of automated deployment systems (Deployer) • Design of technical architecture for platforms with high scalability and availability requirements 	

Software Engineer DontPayFull	Nov 2014 - Dec 2016
<ul style="list-style-type: none"> • Backend development with Python/Django and frontend with PHP/Yii framework • Implementation of RESTful APIs (tastypie), task queue (Celery, RabbitMQ) • Content parsing and processing (OCR - Pillow, tesseract) - relevant experience for document processing 	

Software Architect Diva Interactive / Cerebral Art	Mar 2008 - Oct 2014
<ul style="list-style-type: none"> • Creation and management of web development department • Development of over 40 websites and web applications (PHP, JavaScript, MySQL) • Implementation of SEO modules, advertising, social network integration • Project management for large company projects 	

Software Developer Hostway Romania / OpenLink Networks	Jul 2006 - Feb 2008
<ul style="list-style-type: none"> • Development of CMS platforms, eCommerce and web applications (25+ eCommerce sites, 10+ CMS) • Development of custom modules and features, MySQL database optimization 	

EDUCATION

Bachelor's in Economic Informatics

[Universitatea Romano-Americana, Bucuresti](#)

2004 - 2008

Computer Science Profile, bilingual Italian

[Liceul Teoretic Dante Alighieri, Bucharest](#)

2000 - 2004

CERTIFICATIONS AND COURSES

- Communication Skills Certificate (2007)
- Project Managing Certificate (2007)

FOREIGN LANGUAGES

- Romana - Native
- English - Advanced (Full Professional Proficiency)
- Italian - Advanced (Full Professional Proficiency)