

# SENIOR MUREX CONSULTANT PROFILE

## Personal Information

**Name** Ondřej Tichý  
**Position** Senior Murex Consultant  
Infrastructure , Integration, Reporting, Back Office  
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**Profile summary** Experienced Murex consultant with extremely strong technical background.

15+ years of Murex implementation experience (MxG2000 v2.10, 2.11, MX.III) for major asset classes (FX, IRD, FI, CRD), participating in projects for clients across the EU. Participated on Front-to-Back implementations (Pricing, e-Tradepad, Deal & payment processing, MxML Exchange workflows, Confirmations, Interfaces, Reporting, and Accounting) and high-profile migrations.

Goal-oriented, hard worker, able to work efficiently in a project environment. Highly valued by clients due to his work attitude, fast results and no-nonsense approach.

### Important Skills:

- Murex migrations and conversions
- Knowledge of financial market products and their structure in Murex (FX and currency derivatives, Interest Rate, Fixed income, Equities and Equity derivatives, Credit derivatives. Back-to-Back trades, Linked trades and User Defined Structures)
- MxML Exchange (All workflows)
- E-Tradepad, OSP
- Settlement Instructions, Delivery Instructions, MIFID and SWIFT
- Murex reporting and major database engines
- Deep insight of Murex technical architecture – services, database, data model, installation and technical configuration, monitoring and troubleshooting.

## Technical skills

### Major Murex skills

MX3: GOM, MxML Workflows (Contract, Event, SI, Deliverables, Counterparty, Exchange), Pre-Trade, Accounting, Conversions (complete 2.x database to 3.1 using the rich client), OSP

MxG2000 & General: Installation and technical configuration, Rich Client, GOM + Core modules configuration, Technical architecture, Data model, Reporting (mreport, actuate, MX Datamart), Housekeeper procedures (scan and modify, reallocation of portfolios, purge etc.), MxML Exchange administration, MxML Workflow injector, Trade repository, MXSA, Deal workflow and Status rules, OSP, Pre- and Post-Trade workflow, Payment module incl. Nostro management, Confirmations (SWIFT/HTML), Dealing sheets (ticket module), Static data modules (Counterparty master data, Settlement instructions, Confirmation instructions), Accounting module, User-definable data (tables, fields), Consistency rules, Shell rules, e-Tradepad, Processing scripts service (automation), System architecture, Environments management, End of day procedure, Supervisor module, Murex upgrades, security recommendations, performance tuning.

### Technologies

XML/XSLT

Database: Sybase, Oracle, Teradata, MySQL, pg\_sql, ETL (Informatica)

Languages: Perl, Java, C++, Object Pascal/Delphi, X/HTML+Javascript, bash

UNIX/Linux admin (AIX, Solaris, HP-UX)

CASE tools (MS Visio, Enterprise architect, Mind Manager)

Versioning (Serena Dimensions)

Defect tracking tools (e.g. HP Quality Center)

UC4 Scheduling system

## Relevant project experience

11/2017 – 09/2019

### Murex 3.1 - Murex development (Siemens Munich)

Senior Murex Technical Consultant

Responsibilities:

- Improvements proposal and implementation
- Bug fix and new development
- Minor version upgrade with regression and automatic recon
- EOD performance optimization
- Sanity check implementation
- Daily routines automations
- System maintenance after vendor rollout

10/2016 – 10/2017

### Murex FEM Upgrade from 2.11 to 3.1 (Excelian / Siemens Munich)

Stream Lead – Infrastructure

Responsibilities:

- Conversion from 2.11 to 3.1.37
- EOD structure and implementation in UC4
- HW architecture
- Integration in client eco-system
- Basic script library for infrastructure

### **Integration team member**

Responsibility:

- Design and idea of backbone for interfaces
- Initial analysis for migration logic from BizTalk to MxML
- Test concept for mass load and regression testing

**10/2015 - 09/2016**

### **Murex development for Siemens**

Senior Murex consultant - Infrastructure, Integration, MxML

Murex development driven by:

- New business requirements (China and Munich)

Preparation for the FEM upgrade

**01/2015 - 09/2015**

### **Murex implementation for Siemens China**

Reporting, integration and infrastructure

Successful integration of the new entity Siemens China into the global Murex instance.

Responsibilities:

- EOD and open weekends framework
- Reporting
- On-site reporting workshops in China

**11/2014 - 12/2014**

### **MX3 Platform Overview and Improvement Proposals (Credit Agricole Paris)**

The customer wanted to correct some major performance and functional problems, and has asked for people with deep expertise.

Ondrej was invited as part of a small all-stars team to propose changes in the system setup in order to resolve the problems faced by IT and business.

Responsibilities

- Identify root causes of problems
- Monitor system/Go through system setup and identify possible future issues
- Propose solutions and a correction roadmap

**08/2012 – 04/2014**

### **Murex Upgrade from 2.10 to 3.1 (NORD LB Hanover)**

Migration and Infrastructure Architect

*Member of the project team which replaced the legacy Murex 2.10 with Murex 3.1.28. First project to leverage on the FEM (migration methodology developed by Murex).*

Responsible for:

- Infrastructure preparation
- Optimizing and creation of reporting/EOD modules
- Designing and performing the actual conversion procedure.

Detailed role description:

- Redesigning, merging and optimizing of legacy MX Datamart reports (increased the speed of some by a factor of 100)
- Optimizing of the new EOD Procedure
- Conversion of 2.10 database to 3.1 (Developing conversion scripts for the rich client, running and optimizing the database conversion scripts to fit into the tight timeframe)
- Maintaining data quality of the converted database (Troubleshoot technical migration defects and data inconsistencies, analyzed root causes of trade reconciliation failures, proposing and implementing fixes of the data model)
- Technical installation of the MX3 operating environment (created and fine-tuned the initial installation and handed over to the infrastructure staff)
- Optimized selected pricing models running on the Flex API

**08/2011 – 06/2012**

**MxG2000 FXO Reporting (UniCredit – HVB Munich)**

Reports Developer

*Responsible for creation, maintenance and deploying of reports based on client requests. Managed reports during whole live cycle (analysis, design, development, deployment, production support). Very senior role, helped to redesign existing problematic reports, and in the meanwhile educated the colleagues on the client side.*

Role description included:

- Design and implementation of new MX Datamart reports (dynamic tables, feeders, extractions, processing scripts)
- Developing enhancements for client reporting framework (built on Unix scripts)
- Enhancement of current reports using the MDF framework
- Developing scripts with ETL transformations
- Creation of new processing scripts
- Transforming mreports into MX Datamart
- Database fine tuning and SQL queries optimizing
- Dynamic tables optimization (indexing, tracing, debugging)
- Implementing and performance-testing parallel feeders on Datamart
- Analysis and simplification of legacy reports – huge improvements
- Troubleshooting of Murex defects coming from production (not limited to the reporting area)
- Documentation and hand over to the Murex delivery center

**04/2010 – 06/2011**

**Murex 3.1 Credit Derivatives (CRD) Implementation (UniCredit – HVB Munich)**

Murex Deployment manager

*Project involved migration of 100k trades from legacy systems, configuration of the MX.3 platform, as well as its integration in the current IT ecosystem. Responsible for the deployment of any and all new configuration in the production environment. Ondrej was highly appreciated by the client.*

Role description included:

- Quality assurance of the to-be-deployed configuration
- Creation/validation of deployment plans for large releases
- Deployment of all Murex configuration changes that were created within the CRD project
- Administration and monitoring of 30+ Murex environments including production
- Creation of Murex and MxML Exchange monitoring scripts and tools
- Ad-hoc patches and small developments in all parts of the Murex application
- Enhanced market interfaces: Bloomberg, MarkitData import tools.
- Implemented new tasks in MxML: Export/ImportSQL, JMS Connectivity
- Configuration and maintenance of the RTBS and cache server

**10/2009 – 03/2010**

**Mainstream (Murex upgrade to 2.11.41) (CSOB – member of KBC group)**

Senior developer

*Responsible for the whole process of preparation, analysis, testing, deployment and baby-sitting for all parameters of Murex BO area connected with upgrade to higher version of Murex. This upgrade influenced nearly whole configuration of BO processing including deal workflow, payment module, confirmation processing, matching processing, accounting and reporting.*

Activities included:

- Impact analysis of the new binary
- Gap analysis of new version and legacy implementation and workarounds
- Design and implementation of changes in consistency rules
- Design and implementation of changes in accounting rules
- Design and implementation of changes in MxML exchange workflows raised by upgrade
- Design and implementation of new inbound interfaces (e.g. import static data from external systems)
- Implementation of new inbound interface which partially substitute legacy OLK interface.
- Rebuild and optimization of outbound changes (IBM MQ)
- Analysis and reconciliation of differences in accounting reports
- Technical fine-tuning and bottleneck removal
- Analysis of risks and recommendation for future improvements

**11/2009 – 02/2010**

**New confirmation channels (CSOB – member of KBC group)**

Senior developer

*As the head of Murex team responsible for analysis, design, testing and delivery of final solution within Mx and MxML Exchange (workflow, new XHTML-compliant templates, integration using MQ).*

Specific tasks:

- Design and implement changes on counterparties to support the new channel
- Implement changes in MxML Exchange workflows
- Develop new MQ connection to internet banking
- Design and implement confirmation, chasing letter and matching workflow.
- Integration and acceptance tests

**1/2009 – 9/2009**

**Murex Securities (CSOB, member of KBC group)**

Senior Developer

Team lead of BO sub-team responsible for delivering design and implementation of process for Securities (Bonds, Repos, T-Bills) in Murex. Functional and technical design, implementation. Back Office processes (deal, payment, confirmation and accounting), integration using MxML Exchange, deployment, conversion.

Specific tasks:

- Prepared the project plan
- Go-live and conversion procedure: plan, technical workflows required for migration, stp rights
- Prepared new guides for Front and BackOffice users
- Reporting: Implemented new mreports and changed legacy ones
- Implemented new live cycle for securities
- Designed and implemented new interfaces (import static data from xml, csv files into MX)
- Analyzed, designed and implemented changes in deal workflow (MX and MxML Exchange)
- Analyzed, designed and implemented changes in payment workflow (MX and MxML Exchange)

- Implemented new set of accounting rules
- Prepared and implemented new UDFs and lists with consistency rules
- Set up STP rights, new user groups
- Enhanced legacy interface into Capitol (securities trade capture / market connection application).
- Designed and implemented RTImport (market data)
- Prepared and implemented new confirmations (FAX, Print, SWIFT)
- Unit Test, Integration Test, Acceptance Test
- Defined Emergency procedures
- Supported the client in the Post-go-live phase

**6/2008 – 12/2008**

**Murex EURO conversion** (Accenture for CSOB, member of KBC group)  
Senior Programmer

Deal, payment and confirmation workflow changes required for the conversion of the Slovak entity to the EUR currency. Configuration of deal, payment and confirmation (MxML Exchange) workflow for new products, together with the creation of HTML and SWIFT confirmation templates.

**1/2007 – 5/2008**

**Informatica-based cost allocation tool** (Komerčni banka, member of Societe Generale Group)  
Senior Programmer

Responsible for creating data transformations using Informatica tool to load data from various sources into KB data warehouse. According to provided data models, Ondrej developed Teradata BTEQ scripts to propagate data to target datamarts. He also prepared deployment process and resolved issues.

**9/2005 – 5/2007**

**Murex implementation and integration – replacement of Kondor+** (Banks within the KBC group)

Programmer, Senior Programmer

Started as a fresh hire, soon became one of the key team members of a small team which completely replaced K+ with Murex 2.10.

Tasks included:

- Implemented online interfaces based on MxML Exchange (core-banking systems, confirmations matching system, SWIFT network connection systems)
- Designed and implemented deal and payment workflows
- Created technical design and implementation of MQ middleware architecture
- Created Unix bash scripts for communication with middleware
- Designed and implemented sending of e-mail confirmations and PDF confirmations
- EOD design and optimization
- Market data import (real-time + static)
- Replacement of legacy olk interfaces
- Design and implementation of multiple confirmation instructions
- Design and implementation of reports (inbound, outbound interfaces)
- Implementation of SI lifecycle
- Design and implementation of RTImport (market data)
- Design and implementation of workaround for special Polish characters (encoding for native character sets) in confirmations and interfaces
- Designed and implemented ex-dividend period
- Cleanup framework for of a steadily growing Murex environment (scripts, interfaces, reports)
- Designed and implemented maintenance procedures (purges, monitoring, error notice)
- Security of Murex environments (logging, auditing)
- Streamlined existing MxML confirmation templates (HTML and SWIFT).

- Prepared technical documentation
- Prepared and ran conversion tests

*Project scope: Transformation of existing Murex implementation to support centralization of treasury back-office operations within the client's international banking group. Replacement of the existing Kondor+ trading system by Murex FO and BO.*

*Consolidation of business processes to provide a shared operations center serving a multi-entity environment.*

## Languages

Mother tongue(s)                      Czech  
 Other language(s)                      English, German, Slovak, Russian

	Understanding		Speaking	Writing
	Listening	Reading		
<i>Czech/Slovak</i>	*****	*****	*****	*****
English	****	*****	****	****
German	***	****	**	**
Russian	***	***	**	**