

# Nicola Marangoni

Born on: 26. October 1972

Nationality: Italian

Education: MSc.

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## Technical Skills

Methodical Knowledge	Data Architecture, Data Engineering	<b>Expert</b>
	Relational Database Design	<b>Expert</b>
	Administration and Tuning of Oracle Databases	Experienced
	Reporting und OLAP	<b>Expert</b>
	Project Management, Requirement Analysis	Experienced
Big Data	Hortonworks and Cloudera Distributions	Experienced
	HDFS, Spark, Hive, Impala, HBase, NiFi	Experienced
Relational Databases	Oracle, Microsoft SQL Server, MariaDB, SAP HANA	<b>Expert</b>
	PostgreSQL, IBM DB2	Experienced
	Teradata, ExaSol, Informix, Netezza	Basic Knowledge
Database Languages	SQL, Oracle PL/SQL, SAP SQLScript, T-SQL	<b>Expert</b>
ETL Applications	SAP DS, Oracle Warehouse Builder	<b>Expert</b>
	Microsoft SSIS, Informatica, Talend	Experienced
BI Applications	Cognos, SAP BO	<b>Expert</b>
	Microsoft SSRS und SSAS	Experienced
Programming	Java Platform (Java SE, Java EE), Scala	<b>Expert</b>
	Python, Php	Experienced
	Web and XML Technologies (HTML, JavaScript, AJAX)	Experienced
Software Engineering	Build Tools (Maven, Gradle), Code-Versioning (Git, Subversion), CI (Jenkins)	Experienced
Security	Kerberos, LDAP, Active Directory	Experienced
Special Interests	Open Source Software, Social Media, Cloud Computing, Blockchain	

## Business Skills

Themes	CRM, Risk Management, Customer Decisioning	<b>Expert</b>
	Campaign Management	Experienced
	Controlling, Billing, Real-Time BI and DWH	Experienced
Industries	Telecommunications, E-Commerce	<b>Expert</b>
	Pharmacy, Chemistry, Logistics	Experienced

<b>Work Experience</b>	
2018-03 » Now	<p><b>MariaDB</b></p> <p>Solutions Architect</p> <p>Presales activities in the DACH region</p>
2017-04 » 2018-02	<p><b>Woodmark Consulting</b></p> <p>Data Architect, Data Engineer</p> <p>Consulting in Big Data</p>
2016-11 » 2017-03	<p><b>Hortonworks</b></p> <p>Systems Architect, Data Engineer</p> <p>Consulting in the EMEA Professional Services team</p> <p>Focus on the components of the Hortonworks distribution</p>
2013-01 » 2016-10	<p><b>Msg systems – Munich</b></p> <p>Senior Consultant in the fields of Data Engineering, Data Warehousing and Business Intelligence with focus on Microsoft, SAP products and Hadoop Distributions.</p> <p>Involvement in projects with the role of Data Engineer/Data Architect and back-end specialist.</p>
2015-12 » 2016-10	<p><b>Automotive</b></p> <p>Definition of architectural guidelines for a Big Data application. Installation, configuration and administration of a Hortonworks HDP cluster.</p> <p>Roles:</p> <ul style="list-style-type: none"> <li>• Data Engineering</li> <li>• Architecture</li> <li>• Hadoop Specialist</li> <li>• Integration tests</li> </ul>
2015-04 » 2015-11	<p><b>Internet company</b></p> <p>Customizing of a software platform for online-surveys</p> <p>Roles:</p> <p>PHP Development, Data Engineering, Software Engineering</p>
2014-04 » 2015-03	<p><b>Internal project – Hadoop Cluster</b></p> <p>Training in the Hadoop Technologies.</p> <p>Installation and configuration of the Hadoop-distribution Hortonworks on a cluster with several nodes for training and show cases.</p>
2014-04 » 2015-03	<p><b>Presales activities</b></p> <p>Involvement in the preparation of several offerings.</p>

	2013-10 » 2014-03	<p><b>Finance</b></p> <p>Design and development of a database auditing solution for SQL Server based on T-SQL stored procedures.</p> <p>Design and development of ETL routines with SSIS and reports with SSRS.</p> <p>Roles:</p> <ul style="list-style-type: none"> <li>• Data Engineering</li> <li>• Requirement analysis</li> <li>• T-SQL- and ETL-development</li> <li>• Reporting</li> </ul>
	2013-01 » 2013-09	<p><b>Internal project – BI-Labs</b></p> <p>Installation and configuration of BI products on several virtual machines for training and show cases:</p> <ul style="list-style-type: none"> <li>• Datenbanken: Oracle, SQL Server, DB2</li> <li>• ETL: Informatica PC, SAP DS, Oracle DI, IBM DataStage</li> <li>• Reporting: SAP BO, IBM Cognos</li> </ul>
2011-01 » 2012-12	<p><b>Kabel Deutschland – Unterföhring (near Munich)</b></p> <p>Senior Data Engineer in a leading cable-tv and telecommunication company.</p> <p>Roles:</p> <p>Design and development of key software solutions for data replication and data quality check.</p> <p>Definition of the software architecture of the back-end applications.</p>	
2004-10 » 2010-12	<p><b>SHS VIVEON – Munich</b></p> <p>Senior Consultant in the fields of Data Engineering, Data Warehousing and Business Intelligence with focus in CRM and Risk Management.</p> <p>Involvement in projects concerning Customer Decisioning and Customer Profiling for the telecommunications and e-commerce branches.</p> <p>Design and development of state-of-the-art data warehouses and business intelligence systems.</p> <p>Management of data warehousing and business intelligence projects with the roles of data warehouse architect/designer.</p> <p>List of projects:</p>	
	2010-07 » 2010-12	<p><b>Buch.de</b></p> <p>Enhancement of the existing DWH with new reporting with two new areas: logistics, product recommendations.</p> <p>Roles:</p> <p>Requirement Analysis, Database Modelling and Data Engineering.</p>
	2009-08 » 2010-06	<p><b>T-Mobile</b></p> <p>Design and development of a contact management tool for the utilization of integrated contacts from T-Home and T-Mobile in campaigns.</p> <p>Roles:</p> <p>Data Engineering, development of the backend in PL/SQL and of some frontend components in java (JSP).</p>

2008-10 » 2009-07	<p><b>Buch.de</b></p> <p>Design and development of a new data warehouse and a campaign management system.</p> <p>Roles:</p> <p>Requirement analysis, Modelling of the Data Warehouse, Data Engineering, development of the ETL processes using Oracle Warehouse Builder and PL/SQL. Database Configuration and Administration.</p>
2006-01 » 2008-06	<p><b>Telefonica O2</b></p> <p>Design and development of a metadata-driven mass-data based framework in PL/SQL and java for the support of decision processes in risk management and CRM. Utilization of the framework in 3 different applications for scoring and segmentation of customers for dunning, complaint management and conflict prevention.</p> <p>Roles:</p> <p>Data Engineering, DWH Modeling, Modelling and development of the complete framework backend in PL/SQL and of some frontend components in java (JSP). Modelling and development of the single applications.</p>
2005-09 » 2005-12	<p><b>Orange</b></p> <p>Corporate Data Warehouse</p> <p>Roles:</p> <p>Development of ETL processes in PL/SQL for the corporate DWH.</p>
2004-10 » 2005-08	<p><b>Telefonica O2</b></p> <p>Migration of the reports from the Business Objects platform of the business departments to the platforms of the Business Intelligence Center (Microstrategy, self-made reporting solution).</p> <p>Roles:</p> <p>Takeover by the Business Intelligence Center of reports of the business departments (definition, documentation).</p>
2002-07 » 2004-09	<p><b>Astellas (former Fujisawa) - Munich</b></p> <p>Business Applications Manager in an international pharmaceutical company.</p> <p>Data Engineering, Data Architecture, Requirement Analysis</p> <p>Design, configuration and administration of the company-wide data warehouse running on Oracle and of the reporting system.</p> <p>Definition and implementation of the whole architecture of the data warehouse and business intelligence systems.</p>
1999-10 » 2002-06	<p><b>Umanis - Milan and Frankfurt</b></p> <p>Consultant in the fields of Data Warehousing and Business Intelligence in an international consulting company.</p> <p>Involvement in several projects with the roles of reporting and front end specialist, back end specialist, and data warehouse architect/designer</p>

	2001-05 » 2002-03	<b>Kühne &amp; Nagel</b> Data Warehousing and Reporting Roles: Data Engineering, DWH Modeling Modelling and development of a datamart and several reports using Oracle, PL/SQL, Hummingbird Genio and BusinessObjects.
	2000-09 » 2001-04	<b>Vodafone Italia</b> Definition of test methods and configuration of a test environment for changes in DWH. The test process was based on unit tests of single artefacts (PL/SQL routines) and integration tests of complete change packages. Roles: Definition of the test process. Definition and execution of unit and integration tests for every change package.
	2000-01 » 2000-08	<b>Lonza Italia</b> Buildup of a new DWH and reporting system Roles: Analysis of report requirements. Design of universes and reports using BusinessObjects on an Oracle database.
1998-08 » 1999-05	<i>Civil service – Municipality of Saronno</i>	

## Open Source Projects

2013-01 » today	<b>Open Data Kraken</b> <a href="https://github.com/opendk/opendatakraken">https://github.com/opendk/opendatakraken</a> Design and development of a java library for the fast copy of database tables and contained data between different database products. Roles: <ul style="list-style-type: none"> <li>• Software Engineering</li> <li>• Java-Development</li> </ul>
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<b>Education</b>	
1991 » 1998	<b>MSc. in Engineering</b> at the " <b>Politecnico di Milano</b> " (Italy)
1997 » 1998	Thesis at the University of Stuttgart
1994 » 1996	Ecole Centrale de Nantes in France: 2 years in the context of the European program TIME (double degree)
1986 » 1991	Diploma at the scientific high school "Liceo Scientifico G.B.Grassi" in Saronno (Italy)
<b>Languages</b>	
Italian	Mother tongue
German	Fluent
French	Fluent
English	Fluent
Spanish	Good
Portuguese	Notions
Russian	Notions