

Milan Trninić

Software Architect, Technical process owner

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Profile

A software architect with strong drive to architectural approach: to abstract, conceptualize and patternize business and technical processes.

Highly experienced in owning and delivering on all details of software development and integration process, and smooth leading and coordinating physically distributed technical and business teams.

Experienced in telecom, geo-spatial, health and cable TV industries.

Highlights

- Strong SOA, WS experience, worked within TOGAF, used RM-ODP, 4+1 Model View, RUP, Scrum. Very strong experience with Java / J2EE platform.
- Highly skilled with the complete software life-cycle; researched, analyzed, planned, designed and implemented ideas from conception through completion.
- Excellent modelling skills. Extensive experience with object, relational, hierarchical, custom models and databases. Extensive XML modelling experience. Authored elements of Geography Markup Language (ISO, OpenGIS).
- Delivered courses, presented technology achievements, advocated ideas with large audiences at international conferences and working groups.
- Successfully collaborated with large number of organizations including Microsoft, Oracle, ESRI, Hitachi, NTT Japan, Shell Oil, government bodies (Canada, US, UK, EU), and others.

Professional Experience

2005 - present *Owner, Consultant*

Konceptis Software, Vancouver, Canada

Technology: SOA, WebServices

- Consultant in the area of development of web based distributed systems.
- Developed and operated a number of web services: a heuristic text correction web service, an automated Internet content harvesting and distribution web service, and others.

2012 - 2016 *Technical Process Owner, Solution Architect Ericsson (was Telcell), Toronto, Canada*

Technology: Telecom Web Portal J2EE, WebLogic, SOA, REST, Amdocs OMS, Oracle

- Led and coordinated teams distributed through several timezones, from Pacific and EST, via Europe to Middle East and India
- Technical Lead in charge of development process, coordinating with business, managers, architecture and QA.
- Developed and maintained solution architecture in a highly governed environment (managed – integrated maturity level)
- Designed a large RESTful services layer for better decoupling of backend services and consumer portal application.

2011 *Development and Architecture Consultant*

Telenor, Belgrade, Serbia

Technology: J2EE, JBoss, JPA, SOA, Web Services, Enterprise Architect, Oracle RAC, SoapUI, NetBeans.

- Designed and developed a high-throughput communication gateway for a Mobile Number Portability solution.
- Created an automated integration test suite using SoapUI.
- Documented the architecture using Sparx Enterprise Architect.

*2008 – 2010**Enterprise Architect**Pacific Blue Cross, Vancouver, Canada**Technology: J2EE, .NET, SOA, Web Services, Sonic ESB, iWay, Oracle, SQL Svr, TOGAF, Sparx EA*

Strategic consolidation and transitioning of legacy insurance information systems. Worked within a TOGAF framework and as a member of the Enterprise Architecture team.

- Analyzed processes and specified solution architecture for various elements in development of the new Benefit Management System. Examples include Enterprise Document Management solution, "paperless office" solution, integration with national HL7v3 e-claims insurance network (NeCST).
- Technical owner of the communication gateway system based on iWay integration product set and Sonic enterprise service bus.
- Participated in a data conversion project, a major effort to migrate the whole of company's data from legacy platforms to new ones.
- Researched and prototyped products: Documentum, OpenText, Alfresco, and others.
- Performed domain and data modeling. Defined business object models and messaging formats.
- Delivered architectural, governance, high level and impact analysis, guidelines documents.

*2006 – 2008**System Analyst Consultant**Telus Communications, Vancouver, Canada**Technology: J2EE, Weblogic, Amdocs OMS, Oracle*

Two official releases of a large Order Processing system based on distributed platforms.

- Liaised between business, architecture and development teams. Collaborated with solution and enterprise architects, developers, business analysts, managers and front agents.
- Delivered design and interface specifications, implementation guidelines, system, impact and problem analysis, change request documents.
- Designed adapter solutions for supporting and legacy systems, components for high throughput and demanding performance requirements (e.g. update of 300K accounts).

*2000 – 2006**Product Architect, Snr. Software Engineer**Galdos Systems, Vancouver, Canada**Technology: J2EE, SOA, Web Services, GML, XML, W3C, OpenGIS, ISO, IETF, RM-ODP, 4+1 View Model, RUP, .NET, Apache, Jetty, Hibernate, Oracle, XHive (XML DB)*

Building technologies and systems for wide area geo-spatial web infrastructure (GeoWeb).

- Author, editor, contributor to OpenGIS specifications some of which evolved into ISO standards (GML, WFS, Filter, WMS). Researched geospatial aspects such as geometry, topology, metadata, coordinate reference systems, styling, ISO compliance. Developed standards for different geospatial domains such as location based services.
- Product architect and technical product owner of a Web Map Service for interoperable discovery, retrieval and raster / vector visualization of geo-spatial GML data. Started from scratch and saw it through to a viable product offering.
- Architected and led small teams in design, implementation and integration of a number of customizations of proprietary GML/geospatial services: SVG web map service for a Korean mobile routing service provider, web Coordinate Reference System Registry for European Petroleum Survey Group, land information model, national transportation sensor network, hydrographic data visualization, census data management and others.

- Designed back-end, integration, infrastructure and front-end components, frameworks, object models, APIs. Examples include SAML/XACML security portal, 3D GML modeling client, GML encoding for JPEG2000, Java and Javascript GUI framework.
- Performed domain and data modelling, wrote and managed GML schemas, created UML and XML models. Frequently performed O/R analysis and mapping. Led an evaluation project to select relational and document (no-sql) databases such as Oracle and X-Hive.
- Delivered courses, presented technology achievements, advocated ideas with large audiences at international conferences and working groups.

1999 *Configuration Management Consultant* *Creo Inc. (Kodak), Vancouver, Canada*
Technology: Unix, shell, Perl, ClearCase

Release management for company's large digital printing workflow software system.

1997 – 1999 *Software Engineer* *Scientific-Atlanta (Cisco), Vancouver, Canada*
Technology: C++, full Corba interoperability, MFC, Ilog Views, Windows, Solaris Unix

Full development cycle of a three-tiered distributed system for automation of CATV headends.

- Owned, designed, developed a number of components: Data Service, GUI interfaces (MFC, Ilog Views, Java AWT), device communication (RS-485, RS-232, LonWorks), parsers, object models.
- Performed requirements analysis, resource estimation. Led 2-3 member teams.
- Performed on-site installation and performance tuning.

Education, Training and Designations

2016	SOACP (SOA Certified Professional)	Arcitura (soaschool.com), Canada
2010	HL7 training (v2, v3, CDA)	HL7 International (hl7.org), MI, USA
2006	Certified Scrum Master	NetObjectives, Bellevue, WA, USA

2005	M.Sc. designated by credential evaluation	The Trustforte Corp, NY, USA
1996	B.Sc. (5 yrs program), Computer Technology and Informatics,	University of Niš, Serbia

Publications (Full list at <http://www.konceptis.com> - Publications)

- **[Specification, contributing author]** "Geography Markup Language", OpenGIS, 2000 – 2003
- **[Book, contributing author]** "Geography Mark-Up Language: Foundation for the Geo-Web", John Wiley & Sons, Ltd., 2004, (The first book on GML language.)
- **[Article, author]** "OO, XML, and GML: Are angle brackets a flexible modeling material?", JavaWorld, 2005
- **[Presentation, author]** "GML Application Schemas", 2002, Vancouver, BC

Services and affiliations

2011 - 2013	Tutor, e-learning	HL7.org, USA
2006 - 2010	Member	International Association of Software Architects, USA
2006 - 2010	Volunteer Reviewer	IEEE Software, USA
2001 - 2006	Revision Working Groups (GML, WMS, SLD, etc.)	Open Geospatial Consortium, USA

Language Proficiency

- English Fluent
- French Basic
- Serbian Native