

CURRICULUM VITAE

Peer Törngren

Agile architect, mentor, toolsmith and developer in Java and open source environments, with expert skills in model-driven development, UI design and Eclipse RCP.

Positions

IBM Cognos (<http://www.ibm.com/software/analytics/cognos/controller>), 2007-

- Software Architect (2008 -)
- Lead UX Developer (2012 - 2014)
- Agile Coach (2011 - 2014)
- SCRUM Master (2009 - 2014)
- Senior Software Engineer (2007-2008)

SunGard FRONT ARENA (<http://www.sungard.com/frontarena>), 2004-2007

- Systems Architect

ICA IT/Logistik (<http://www.ica.se>), 2003-2004

- Software Architect/Developer

The Frameworx Company (<http://frameworx.tigris.org>), 2000-2003

- Software Architect
- Team Lead
- Developer

Jaczone AB (<http://www.ivarjacobson.com>), 2000

- Senior Software Architect

IMI, Industri-Matematik International (<http://www.im.se>), 1995-2000

- Senior Software Architect, 1998-2000
- Senior Systems Analyst/Object Technology Specialist, 1997-1998
- Software Engineer, 1995-1996

WM-data Konsult AB, 1994-1995

- Consultant

DAFA M.Data (Sema Group)

- Consultant, 1991-1994

ICL

- Consultant and COBOL Specialist, 1986-1990
- Customer Engineer, hardware and operating systems, 1980-1986

IBM

- Customer Engineer, 1979-1980
- Final Tester, 1977-1979

Education

Technical college graduate, 1972-1977

Affiliations, Achievements and Awards

Memberships Dataföreningen ("Swedish Computer Association")
Dataföreningen's network for UML experts
ACM (Association for Computing Machinery)
IASA (International Association of Software Architects)
Industrialized Software and Knowledge Industry Survival Strategy
Software Craftsmanship
Swedish Eclipse User Group

Linked in groups (<http://www.linkedin.com/profile/view?id=145988>)

Scrum Practitioners
Disciplined Agile Delivery
Lean Software Development
Software Craftsmanship
Agile Architect Thought Leaders
DSM Forum
Eclipse
UML Lovers

Public appearances (presentations):

IASA World Summit/IT-Arc: Quality Attributes of Software Architecture (2015)
Rational User Conference: RTC for Product Development (2014)
JavaForum/Eclipse 10th Anniversary: "Two Cool RCP Apps" (2011)
IASA Sweden: Model-Driven Development (2009)
UML Experts Network, Swedish Computer Association (2005-2013):
- Domain Specific Modeling with UML
- Domain-Specific Modeling - dream or reality?
- Models and meta models
- Modeling in an agile world

Publications

Industrialized Software: Lessons From Other Industries (2008)
(<http://www.industrialized-software.org/lessons-from-other-industries>)
IP.COM: Dynamic Message Dialog with Dynamic Message Filter (2012)
(<http://ip.com/IPCOM/000219140>)
"The Book About IT Architecture", Akenine et al, ISBN 9789175579535 (2014)
(coauthor, <http://www.thearchitectbook.com>)

Innovations

US Patent: Lightweight Observable Values for Multiple Grids (2012)
(application #20140173219, <http://patents.justia.com/patent/20140173219>)
US Patent: Consolidation Command Center (2013)
(application #20140200938, <http://patents.justia.com/patent/20140200938>)
US Patent: Consolidation Command Center Method (2013)
(application #20140200939, <http://patents.justia.com/patent/20140200939>)

Awards/Recognitions

IBM Innovation Award (1978)
ICL Technical Support Excellence Award (1989)
IBM Outstanding Technical Achievement Award (2012)

Other

Chairman of PTA organization at Helenelundsskolan (2010-2014)
Board member and webmaster of of PTA organization at Helenelundsskolan (2007-2014)

Skills and Experience

Programming Languages

Java (J2SE, Swing, J2EE, EJB)
Python
Smalltalk (VisualWorks, VisualAge)
Perl
C (PC, Unix)
Unix shell (Bourne, C, Korn, bash)
QualiCycle Programming Language
XML/XSL/HTML (World Wide Web)
Pascal
SQL
Cobol (ANSI 74 + 85 in Unix environment)
Borland ObjectPAL (Paradox/Windows)
Visual Basic

Tools

Development: Eclipse, XMLSpy, MagicDraw, IBM WSAD, Rational Rose, ErWin, Visio
UML, Visual Paradigm, JBuilder, Kawa, VisualAge/Smalltalk, QualiWare LifeCycle
Manager, QualiWare CaseMaker ...

Frameworks: Eclipse (RCP, SWT/JFace, EMF, GMF, TMF, Nebula, Xtext, etc), Sun Meta
Data Repository (MDR), Apache (XML Beans, Commons, Log4J etc), ANTLR, oAW
(openArchitectureWare), Spring, Hibernate, TopLink, Eclipselink, OpenJPA ...

Build Automation and Configuration Management: Rational Team Concert, Rational
ClearCase (UCM), Perforce, IBM/OTI Envy, IBM TeamConnection, Microsoft
Sourcesafe, SCCS, RCS, CVS, Subversion, Ant, Maven, make, IBM Cognos BDD, IMI
SCCM ...

Test and Quality: jUnit, sUnit, Rational Functional Tester, EMMA, PMD, Bugfinder,
EasyMock, Mockito, jVisualVM, OptimizeIt, JProbe, JProfiler, Purify, lint ...

Other: Microsoft Office, Microsoft FrontPage, PaintShop Pro, Microsoft Project, Corel
Draw, MicroGrafx Designer, MicroGrafx ABC Flowcharter, WordPerfect, PhotoVision ...

Methods, Architecture

Booch
Capability Maturity Model (SEI CMM)
Coad/Yourdon
Data-modeling (DB-schema, ER diagram)
eXtreme Programming (XP)
Event-Driven Architecture (EDA)
Jackson Structured Programming (JSP)
Kanban
MAXIM Project Management (AU System)
Model Driven Architecture (MDA)
Model-Driven Software Development (MDSD)
Rational Business Engineering (RBE)
Rational Unified Process (RUP)
Service-Oriented Architecture (SOA)
SCRUM
Unified Modeling Language (UML)

Databases, Servers, Operating Systems and Computers

JEE (WebSphere, WebLogic, JBoss)
IBM San Francisco
SQL Server, Oracle, Ingres, Paradox/Windows, AS/400
Unix (SVR4, SunOS, Solaris, HP-UX, AIX, OSF/1, Dynix)
PC (DOS, Windows)
ICL mainframe, networked ICL mini and micro computers
IBM mainframe (MVS, VTAM)

Projects

Cognos Controller, 2007-

Back End and Integration (ScrumMaster, developer, architect)
Command Center (ScrumMaster, developer, architect)
UI Team (ScrumMaster, developer, architect, lead UX developer)
Eclipse RCP (developer, architect, technical expert)
Application Architecture (developer, architect)
Cognos R&D

Course "Certified IT-Architect", 1999 –

Lecture "Industrial Production of Software" (speaker)
Lecture "Building with Frameworks" (speaker)
Lecture "Model-Driven Software Development" (speaker)
Dataföreningen i Sverige (The Swedish Information Processing Society)

Akropolis Book Project, 2013-2014

Chapter "Quality Attributes of Software Architecture" (author)
Chapter "Software Patterns" (author)
IASA Sweden

Social Music Discovery, 2010-2012 –

Domain Model (designer)
Yggdrasil RCP client (developer, architect)
The Social Music Discovery project (open source)

Common Services Architecture Team (CSA), 2005-2007

FRONT ARENA Representative (architect)
MDA/Modeling Workgroup (team lead)
SunGard Financial Systems

Model Driven Architecture (MDA), 2004-2007

AEF Reference (model-driven documentation generator) (architect, developer)
Domain-Specific Modeling Tool (architect, developer)
SunGard FRONT ARENA, Product Development Division

ARENA Extension Framework (AEF), 2004-2006

Vision, Architecture (architect)
SunGard FRONT ARENA, Product Development Division

ICA Architecture Team, 2003-2004

Architect (architect)
ICA (Scandinavia)

Forecasting Service, 2003-2004

Architecture, vision, requirements and prototype (architect, developer)
ICA Logistics

Architecture Council, 2002-2003

Architect
The Frameworkx Company

Frameworkx Factory (IDE for Frameworkx platform), 2001-2003

Architecture and vision (architect)
UML/MOF metamodel (expert)
Development team (team lead, developer)
The Frameworkx Company

Case Manager (pilot application on the Frameworkx platform), 2000

Development team (developer)
Application Developer's Guide (author, mentor)
The Frameworkx Company

Prototype for Waypointer (knowledge-based process support agent), 2000

Vision (author, evangelist)
Knowledge model (architect)
Jaczone AB

PD-RUP CCB (Rational Unified Process Change Control Board), 1999-2000

Analysis, Design and Implementation workflows (process component owner)
Industri-Matematik International (Product Development, Common Services)

Architecture Council, 1999-2000

Senior Architect

Industri-Matematik International (Product Development division)

COBRA, Components and Objects in a Business Responsive Architecture, 1998-1999

Process team (process engineer, OOA/D process component owner)

Architecture team (architect)

Application Development teams (architect, mentor, designer, reviewer)

Industri-Matematik International (Product Development division)

System ESS/Next Generation, 1997-1998

Vision and strategic requirements (software architecture)

Industri-Matematik International (Product Development division)

ESS Open Architecture/ESS Core Services, 1997-1999

OO framework for wrapping legacy system (architect, mentor)

Industri-Matematik International (Product Development division)

Object Oriented Analysis and Design (OOAD) Horizontal Network, 1997-2000

Skill Center (team leader, methodologist)

OOAD support in development projects (mentor, reviewer)

Industri-Matematik International (Product Development division)

Project MOOD (Methodology for Object Oriented software Development), 1996-1997

Process, methodology and tools for large scale development (project manager)

Customized OO process and methodology (process engineer)

Evaluation and integration of commercial development tools (software engineer)

Industri-Matematik International (Product Development division)

Vivaldi Replenishment Manager, 1996-1999

Object Oriented Analysis/Design (analyst, designer, mentor)

Smalltalk implementation (programmer)

Configuration management (policy, tool support)

Industri-Matematik International (Product Development division)

CM for OO (Configuration Management for OO development), 1996-1997

Configuration management requirements (analysis, formal specification)

Evaluation of commercial CM tools (project manager, technical specialist)

Industri-Matematik International (Development Tools group)

Software Factory Development Tools, 1995-1997

Tools for developing development tools (design, implementation, support)

Product packaging and distribution (analysis, design, implementation)

Industri-Matematik International (Development Tools group)

IMI*CASE, 1995-1996

CASE tool meta model (analysis, design, implementation)

Industri-Matematik International (Product Development division)

SDCM (Software Development Configuration Management) System, 1995

System development (programming)

Industri-Matematik International (Product Development division)

StripNet (Strategic IT Infrastructure), 1994-1995

IT policy (author)

Building LAN-based IT infrastructure (project manager, network specialist)

Uddeholm Strip Steel AB

KM-LIS Technical Management Information System, 1994

Subsystem for text, messages and logfiles (analysis, design, programming)

Development environment and tools (design, implementation, support)

LKAB Kiruna

PRAXIS/Unix; Tools and guidelines for Development Projects, 1994
Standard Unix development kit (analysis, design, programming, support)
DAFA M.Data (internal)

Rolling Stock Information System, 1993-1994
Object oriented model (analysis, high-level design)
ABB Signal

RIUB/RIUR Collection and Notification System, 1992-1993
Communication subsystem (design, programming)
Development environment (design, implementation, support)
Rikspolisstyrelsen (the National Swedish Police Board)

SF Distributed System for Orders of Punishment, 1992-1993
Development environment (design, implementation, support)
Installation and operating routines with manual (design, implementation, author)
Riksåklagarmyndigheten (the National Swedish Prosecutor's Office)

RUBIN Manufacturing Planning System, 1991
Modules for human resource planning (design, programming)
LKAB Kiruna

MODIS Order Management System, 1989-1990
Program conversion (programming, technical specialist)
Data migration (design, programming)
Indiska kompaniet

KIBAS Standard System, 1988-1989
Modules for data export (design, programming)
Tools for program conversion (design, programming)
KIDA and Metallurgiska Forskningsstationen (MEFOS)

National Technical Support, 1986-1990
COBOL in UNIX and CDOS environment (support)
Pascal in mini computers (support)
SNA communication products (support)
Unix operating systems (assisting support)
ICL Data AB

REGSYS Networked Data Entry System, 1986-1987
System development (design, programming, implementation)
Screen designer tool (design, implementation, support)
LKAB Kiruna (Sweden), LKAB Narvik (Norway)