

## Hopens 2-Pro Mentor (01/04/2004 – Today)

### **About my employment**

Owner and Process / Project Management Mentor. One-man company specializing in helping organizations adopt new software engineering practices based on the IBM Rational Unified Process (RUP®) and similar modern development processes.

### **Key Projects**

#### ⇒ **Contributing to open source Eclipse Process Framework project (01/01/06 – today)**

Registered as Committer of the EPF – a “global” project set out to produce an Open Source version of the Unified Process. I’m joining a whole range of industry experts in expressing the universal iterative and incremental development process.

#### ⇒ **In-house customisation of RUP for Fujitsu Services, UK (15/08/05 – 15/01/06)**

Contracted to harvest experience gained on previous RUP based projects to produce a tailored version of the RUP, with the goal of shortening the lead time for projects getting started with RUP and supporting tools. The tailoring is aimed at medium sized projects (20-40 staff) in Fujitsu Services, and includes

- a website based on RUP 2003, seamlessly integrating the standard RUP content with the Fujitsu specific extensions.
- guidelines and pre-filled artefact templates defining the governing corporate policies
- a predefined environment setup around the tools for Requirements, Configuration and Change Management, and some smaller project management utilities for managing risks, staffing projects and estimating effort.

IBM Rational Process Workbench (RPW) was used to build the extensions and produce the resulting website.

*Reference: Roy Birkinshaw, Fujitsu Services*

#### ⇒ **Process / Project Management Mentor, Fujitsu Services, UK (15/03/05 – 15/06/05)**

Hired in via Cogenture Ltd. in the UK to support a large-scale RUP Adoption initiative. My job was to mentor the Manager of the Processes and Tools project establishing an effective working environment for the projects. The work involved

- helping to manage the processes and tools project (planning and control).
- setting up an environment around the process development part of the tailoring effort.
- producing tailored versions of the RUP for the
  - o pilot project (classic RUP project of 20-30 people)
  - o main project (systems engineering effort of >200 people)
  - o processes and tools project (based on IBM’s Process Engineering Process, ~15 people)
- supporting the mentioned projects in process related issues

When the project was stopped by the Customer, I was hired directly to harvest the good work done, to produce a reusable customisation of RUP and tools (led to above mentioned project).

*Reference: Roy Birkinshaw, Fujitsu*

**⇒ Training instructor for Inland Revenue, UK (19/04/04 – 14/03/05)**

Hired in via Cogenture Ltd. in the UK to train Inland Revenue's development and management staff in RUP, Object Oriented Analysis and Design with UML, Software Architecture, Project Management and Requirements Management with Use-Cases.

During this period I renewed my certification with IBM Rational to become an IBM Certified Instructor.

*Reference: Howard Knowles, Cogenture Ltd.*

**⇒ Integration of RUP and PRINCE2, Cogenture Ltd. UK (19/04/04 – 14/03/05)**

50% of my time with Cogenture Ltd. was devoted to develop a RUP plug-in that seamlessly replaced the bulk part of RUP's Project Management discipline with the PRINCE2 management methodology from Office of Government Commerce (OGC) in the UK.

The result is a tailored RUP where the programme awareness and management ceremony of PRINCE2 are integrated with RUP's iterative and incremental approach to planning and control. The plug-in's ownership and intellectual property rights reside with Cogenture Ltd. in the UK.

*Reference: Howard Knowles, Cogenture Ltd.*

## IBM Software Group, Norway (01/08/2003 – 31/03/2004)

### **About my employment**

IBM acquired Rational Software and I became an IBM employee. During this employment I was the Norwegian satellite worker of the RUP Content Development team, which was based in Vancouver, Canada. See employment details below (under Rational Software, Canada) for further information.

## Rational Software, Canada (01/09/2000 – 31/07/2003)

### **About my employment**

Senior Process Engineer, working in the Rational Unified Process' Content Development Team, located in Vancouver, Canada, and reported directly to Philippe Kruchten, a thought leader in our industry. After a year in this position, I advanced to become the Lead of the RUP Content Development Team.

*Reference: Philippe Kruchten*

I was responsible for the following areas of RUP:

- Managing the RUP content delivery project within the Rational Suites programme
- The underlying RUP content architecture
- All content in RUP's Project Management discipline
- All content in RUP's Environment discipline
- The integration of a revamped Business Modeling discipline
- The interface between the content and the supporting tool set (RPW and RUP Builder)

### **Highlights and Achievements**

#### ⇒ **The Process Engineering Process (PEP)**

Designed and developed the first release of the PEP, a RUP-like process product describing how to implement and tailor the RUP for an enterprise. Available on IBM developerWorks as part of the Rational Process Workbench product.

#### ⇒ **Re-architecting of the RUP content framework**

For the RUP 2003 release I was responsible for re-architecting the underlying process model of the RUP to meet the goals of enabling configurations of the RUP by mixing and matching process components from the RUP framework. The result is a highly resilient component based architecture serving as a basis for further extension through plug-ins.

#### ⇒ **The RUP plug-in technology**

I played a major role in establishing the meta-model and the design of the RUP plug-in technology, allowing for the production of RUP extensions by 3rd party process providers. This technology was first released with RUP version 2001, and significantly improved with RUP2003.

*Reference: Björn Gustafsson*

**⇒ The RUP plug-in workshop version 2001 – 2003**

For RUP release 2001 and 2003, I developed a complete 2 day workshop on producing RUP plug-ins using Rational Process Workbench (RPW). I held the workshop multiple times both for internal Rational field engineers and for major RUP clients such as Ericsson and Volvo IT.

**Publications****⇒ Whitepaper: Creating Process Plug-ins using the Rational Process Workbench (RPW)**

Produced an extensive guide to creating RUP plug-ins using RPW for RUP release 2001. It included a case study that traced from requirements to finished plug-in. Accompanied by a solution model. Published on the Rational Developer Network (RDN), used as a backbone for RUP plug-in workshop.

**⇒ “Getting Started” guides for RUP’s supporting tools**

Produced three “Getting Started” guides for RPW (RUP Modeler and RUP Organizer) and RUP Builder which were published on IBM developerWorks and bundled with the RPW download.

**⇒ Participation in best selling book on RUP**

I participated in the authoring of the best selling book on RUP listed below. The contribution was in terms of reviews and content suggestion for the parts relating to my areas of responsibility within the RUP.

- *The Rational Unified Process Made Easy – A Practitioner’s Guide to the RUP.* By Per Kroll and Philippe Kruchten.

## Mogul.com, Norway (01/05/2000 – 31/08/2000)

### **About my employment**

My previous employer, Numerica Taskon (NT), was merged with several other companies as part of a nordic acquisition to become mogul.com in May 2000.

I continued my responsibilities of the Training Dept. from NT and established Mogul Academy around the same business model. For details, see my employment details under Numerica Taskon.

I was also responsible for the company-wide development process, "The Mogul Way", which was a derivative of the Rational Unified Process.

## Numerica Taskon A/S, Norway (01/01/1998 – 30/04/2000)

### **About my employment**

When Numerica and Taskon merged in 1998, I continued as Chief Consultant with special focus on Software Engineering Process in general, and RUP's techniques around Use-Case modeling and Object Oriented Analysis and Design in particular.

I took on the responsibility of establishing and managing the company's Training Department, with Rational Software's training courses as the backbone material. The offered curriculum covered all aspects of software development from management and requirements, to low level design and implementation activities on platforms such as J2EE and MS .Net.

*Reference: Jon Øyvind Eriksen*

### **Achievements / Highlights**

#### ⇒ **Profitable Training Dept. already from year 1**

The establishment of the training department became a true success for the company with a first-year revenue of around 7 mill. NOK. It also served as a door opener into clients we had not previously engaged with.

#### ⇒ **Certifications for Rational Software's training**

I achieved status as Certified Instructor of the following Rational training courses:

- Essentials of Rational Unified Process
- Implementing the Rational Unified Process
- Object Oriented Analysis & Design with UML
- Introduction to Rational Rose

### **Key Projects**

#### ⇒ **Various process mentoring engagements**

A number of short engagements on mentoring and on-site training for clients adopting the RUP, the OO technology, and the Rational tool set.

**⇒ Kampfly, for the Norwegian Military of Defense (1999)**

Developed a system for evaluation of Aircraft Vendor's response to the RFP for the purchase of new combat aircrafts for the Norwegian Military Defense. Customer was RNoAF Material Command. Used Rational RequisitePro to create and organize the 1500 – 2000 requirements, and Rational SoDA to create reports for the evaluators to work on.

**⇒ SAY – System for Attførings Ytelser, Norwegian Directorate of Labor (1997 – 1999)**

Case handling in the rehabilitation field. Part of a large-scale project re-engineering effort, where old mainframe systems were ported using modern technology. I was assigned the tasks of chief analyst, tool expert (Rational Rose and Rational SoDA) and process mentor (RUP) for the project management team. I was also responsible for the training of 25-30 team members in the fields of OO, Analysis & Design using UML and visual modeling using Rational Rose.

**Numerica A/S, Norway (01/01/1992 – 31/12/1997)*****About my employment***

I started my professional career as a Software Engineer in this small consulting company focusing initially on object oriented design and implementation.

Through organic growth Numerica became larger and I advanced to become the Manager of our consulting department in Oslo in July 1995. I was responsible for the overall development approach, and became the company's interface to Rational Software, our strategic partner in the area of process and methodology.

*Reference: Tor Ivar Byrkjeland.*

***Key Projects*****⇒ AURASIM– Indoor Climate Simulation, for Auranor A/S, Norway (1996 – 1998)**

This was a 2+ year project developing an indoor climate simulation program for Auranor, running on Windows platforms, using MS Visual C++ / MFC. I performed all the project roles from the sales process to managing the customer interaction and the development of the application.

**⇒ SIFO-modellen. SIFO, a consumer research organization in Norway (1994 – 1996)**

This was a significant development project producing a commercial product for personal taxation, accounting, loan calculation, and budgeting. I had Project Management responsibilities, as well as roles in the architecture, analysis, design and programming disciplines. Tools: MS Visual C++ / MFC, Watcom database.

It received the award "*Software Product of the Year*" in the Norwegian edition of PC World.

**⇒ PM Dataplanner. Commercial product for PM International, Norway (1992 – 1994)**

I was Operational Project Manager and developer of a Time Scheduling and Resourcing Tool. My role covered all aspects in development from requirements capture through A&D to implementation as well as management tasks. Used Borland C++ / OWL with Raima Data Manager.