

Bengt Sandberg

Role: System architect/developer

BORN: 1964



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PRESENTATION OF BENGT SANDBERG

Bengt has 13 years experience from traditional and object oriented systems development. For the last seven years, Bengt has been involved in projects building business critical systems with object-oriented methods and tools specially Java/J2EE. Bengt is usually responsible for design and implementation of the systems central parts. His philosophy is that it's not possible to be responsible for design and architecture if you're not involved in the coding and implementation.

Bengt prefers developing in team with methods like Extreme Programming. An important part of development is to create and package source in deliverable units. Bengt is mostly involved in the whole development phase from design, implementation and production with load balancing/optimizing/tuning of architecture/system.

Bengt is teaching different courses in Java, J2EE and application servers for example at BEA Systems.

Bengt have degree in computer science (fil kand) from Uppsala and Stockholm University.

EXPERIENCE

Föreningssparbanken AB/Swedbank (04-) www.foreningssparbanken.se, J2EE architect and developer

Architect and developer. Bengt is working in a group with responsibility to improve the Websphere/J2EE platform that the bank use to deliver internetbanking services. Different kind of projects from effective XA support to implement/test new portal products. Involved in developing new financial services in business projects.

Development in J2EE/Java (WSAD 5, RAD), Servlet/JSP/EJB, Websphere, Oracle/Hibernate. Production on Websphere/Solaris/Oracle. Using the inhouse development process and also trying to use new agile processes like Scrum.

Posten (04) www.posten.se, Deliverynote handling system

Architect and developer. Design and implementation of a Java/XML based system to handle deliverynotes to the Swedish mail company (www.posten.se). Project are delivered and in

production. Development in J2EE/Java (IntelliJ), Servlet/JSP/EJB, Weblogic, Oracle. Production on Weblogic/Solaris/Oracle.

Posten (03-04) www.posten.se, Payment solution

Architect and developer. Design and implementation of payment solution to www.posten.se. Project are delivered and in production. Development in J2EE/Java, Servlet/JSP/EJB, Weblogic, Oracle. Production on Weblogic/Solaris/Oracle.

MyTravel Northern Europe AB (03)

Architect and developer. Design and implementation of a provision system to the travel agencies that sell MyTravel travels. Same platform as was developed in a project description below.

Skandia Lifeline (03)

Technical review of Skandia Lifelines J2EE/WebSphere based system. System was build to handle private hospital insurance. The customer was anxious to increase performance and developability of the application.

MyTravel Northern Europe AB (02-03)

Architect and developer. Involved in develop a new technical J2EE architecture on the NonStop server (Tandem). Design and develop of a commission system to travel sales. Integration with MyTravel legacy Tandem/COBOL servers with WebServices. Develop environment: Windows and Idea/Java, build system in Ant. Test and production environment NonStop/osh ("Tandem Unix"), Weblogic.

OM Group AB (01 - 02)

Architect and developer. Design and development of architecture to OM external web sites. Integration between content management tool and existing LotusNotes/SQLServers databases with an integration layer. Develop environment: Windows and Idea/Java. Test and production environment: Windows, Tomcat, Cycube, Websphere, LotusNotes, and SQLServer.

Expressen (02)

Technical review of expressen.se website. Purpose was to come up with suggestions how Expressen with a minimum development effort could use the existing system to meet defined goals for load and availability.

Sensel Software AB (01)

Architect and developer. Responsible for implementation of the new architecture proposed in the design review project. Development in CORBA/C++ Weblogic Enterprise Sun/Solaris and

presentation parts in Java Weblogic Server. All transport between system layers and interface calls were done in XML.

Sensel Software AB (01)

Design review of Sensel platform and system Success. Success is a system to handle intelligent homes. Sensel was in the phase to go from an operator/service provider to become a software company. The purpose of the review was to describe problems in the existing system and to make practical suggestions on improvements and a new architecture suited for productification. Technical environment: Presentation parts in Java/Weblogic Server (Servlet/EJB), Business Layer in C++/Weblogic Enterprise (CORBA), datalayer in Oracle. Production and development environment is SUN/Solaris.

ForeningsSparbanken AB(00 - 01)

Responsible for development and design of a new platform for the banks distributed channels. Included development and design on java EJB components on business and infrastructure level. Physical architecture is clustered SUN solaris servers with IBM/websphere as applicationserver. Bengt also developed a build system in ANT.

AB Trav och Galopp (ATG) (99/00)

Responsible for construction and design of a new system/plattform for horserace gambling (www.atg.se). First channel was www and wap. Physical architecture is clustered SUN solaris hardware. Webservers Netscape and applicationserver Weblogic (EJB). Design model and method was RUP/UML. All programming in java and components in EJB.

RSV Dataservice (98/99)

Mentoring and development. Java, C++, RUP/UML.

Icon Medialab/Svenska Spel (98)

Development of a system for the gambling company Svenska Spel (www.svenskaspel.se). Programming in COM/DCOM J++ 6.0 and design OO/UML. Architecture was Windows NT and www server IIS. MTS was used in the integration layer. Session handling in SiteServer.

Aftonbladet (98)

Review of architecture and design.

Posten (98)

Responsible for construction and design of the Java parts in "Lanthandelsprojektet". Cashier's office system with the purpose of making possible post office transactions in grocery stores. System presentationlayer was implemented in Java JDK 1.16 (Visual Symantec Café 2.5). Server was Unix och Middleware var Tuxedo.

RFV (98)

Review of architecture and design.

Enea OSE Systems AB (97/98)

Implementation and design. Porting of Java windows system AWT to realtime OS OSE Delta. (PERSONAL JAVA), OSE/DELTA, C/C++.

Ericsson/ETX Karlstad (97/98)

Java/OO mentor/design at Ericsson/ETX.

Posten (97)

Responsible for construction and design. Design and implementation of a new architecture and platform for Posten AB. Environment: NT/Unix, Tuxedo, UML, Java Visual Semantic Café, MS Visual Developer C++ och JDK 1.1, component models JavaBeans and COM/DCOM.

Ericsson/EBC (96/97)

Responsible for construction and design. Collector system for MD110, Eripax, Backbone. Design, implementation. Environment: Unix IBM/AIX and HP/UX. Method OMT and codein C++ and Rouge Wave classlibs Tools.h++. Versionhadling in Clearcase.

Svenska Kraftnät (95/96)

Design/implementation of trading and balance system for the swedish electrical power net. Environment: Open VMS/Alpha in servers and clients. Application is objektoriented and code in C++. Datalayer in RDB.

Digital (94/95)

Database development. System to handle construction of Ericsson mobile phones. Environment: Open VMS, Rdb, DMQ, Basestar, C, SQLMOD.

Digital (94/95)

Design/Implementation of Postscript-processor . Environment: Open VMS/Alpha, C, Postscript.

ApironMIT (90/92)

Systemspecification with the method SVEA/Direct (Object-/datamodels, functions descriptions).

ApironMIT och EC Soft (90/93)

Development and customization of the CASE tool Excelerator. Environment: DOS, Windows, OS/2

KONCEPTS/METHODS/TOOLS

- Java, C++, C
- Objectoriented development
- Rational Rose/RUP/UML
- Test driven java development (JUnit)
- Extreme Programming
- Weblogic, Websphere
- EJB, J2EE
- CORBA, Weblogic Enterprise
- Microsoft COM, MTS
- Unix, Linux, Windows

EDUCATION

Bachelor of Science (Fil.kand), data science with economics and law. At Uppsala and Stockholms universities.

EMPLOYMENTS

2004- Relaysource (Founder, Part owner) CTO, architect, developer
2002- Veratech AB (Part owner)
2004
1999 - Mind AB
1998 - Comp Technology (Founder)
1999
1996 - Enea Data ObjectTechnology
1998
1994 - RKS Data
1996
1993 - ECSOFT Nordic
1993
1990 - Entra/Apiron MIT
1993

TEACHER

- Creator and teacher of course "Development of Distributed systems with Java, Informator AB 1999
- Teacher Bea Systems "Application Development with WebLogic Server" 2000 - 2003

REFERENCES

Several references are available. Contact Bengt Sandberg or responsible.

EXAMPLE ON PUBLIC PROJECTS

- <http://www.atg.se>
- <http://www.svenskaspel.se>
- <http://www.posten.se>