



Gustav Boström
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EDUCATION

DURATION

Philosophical Licentiate, Computer and System Sciences

Topics: Software Security, System integration, Research Methodology, Aspect-oriented Programming

03-06

Master of Science, Industrial Engineering and Management

Linköping Institute of Technology, LiTH, Sweden

93-95

business major: Economical Information Systems

96-97

engineering major: Computer Science/Expert-systems

Exchange studies during third year: IAG Business School, Université Catholique de Louvain Louvain-la-Neuve, Belgium

95-96

PROFESSIONAL EXPERIENCE

IT consultant , Crisp

11-present

Software architect and developer. Specialized in Agile methods, Application Security and Software Integration. Teaching Agile Intro courses. Performed reviews on architecture, code quality and security. Database migration. Coaching on Agile Maintenance.

IT consultant , Omegapoint

06-10

Software Architect and Security specialist. Designed and developed interactive multimedia Webb-TV solutions for swedish public television (SVT Play). Mentored and lectured on the use of process integration tools for system integration. Teacher on the Omegapoint Application Security course. Worked on refactoring and defining the future application architecture for a lottery system as well as conducting application security work including developer awareness, threat modeling and code reviews.

Junior Lecturer and PhD Candidate, KTH, Stockholm

Teaching software development with Java and system integration techniques in conjunction with ERP-systems. Teaching Internet application development. Master program lecturer Advanced Object Orientation and Secure Software development. Mentoring on thesis work etc. Post-graduate studies in Computer Science specializing in Aspect Oriented Programming and Secure Software Engineering. Various research projects, for example: Developing and assessing the software architecture of a micro-finance banking application in Bangladesh, Jointly leading a business-academia network on the topic of ERP-systems in SME's (Teknikbrostiftelsen).

02-06

Junior researcher, Swedish Institute of Computer Science (SICS)

Participating in EU-funded research project TrustCOM (Trust and Security issues in Service Oriented organizations). Developed a Web Services Quality of Service evaluator based on a rule-engine.

05-06

Lecturer on the IT-architect school, Dataföreningen Kompetens, Sweden

Lecturing on Separation of Concerns Technology. Approximately four times a year (See <http://www.dfkompens.se/arkitektur/kurser/2107077/index.xml> for a more detailed description). 00- Present

Framework and tools developer, the eon company, Stockholm

Developed a UML model-driven IDE for developing applications on the Eonworx J2EE-platform (the eoncompany's model-driven framework for developing web-services), Designed and implemented the Security Architecture for the Eonworx platform,

00/08-02/07

Software Architect, Industri-Matematik International, Stockholm

Introduced the IBM San Francisco Framework to IMI, Developed Thin-client frameworks (Servlets and JSP), Mentored developers on using San Francisco/WebSphere and VisualAge for Java, Designed high-performance architecture for a mobile Stock-picking application, Investigated Wireless computing development platforms for Warehouse management software.

01/01-01/08

IT Specialist, IBM San Francisco Support Group, IBM EMEA (Belgium),

Supported Independent Software Vendors using San Francisco, IBM's Application Business Components for Java developers. A large Framework to be used in developing Component Based Java ERP systems. Taught J2EE development. Developed SanFrancisco/J2EE/XML/Mobile prototype exhibited at the JavaOne-conference 1999.

99

IT Specialist, IBM Software Group, Belgium

Software pre-sales and Marketing in Application Development, Developed proof-of-concept mainframe integration solutions.

98-99/01

Trainee/Master's thesis, IBM Software Group, Belgium

Analysing Competition/pre-sales support. Marketing of data management products with focus on Channel marketing for Data Warehousing products and DB2. 96

SOFTWARE ENGINEERING SKILLS

Programming experience in various languages: Java, Pascal, C/C++, LISP, BASIC, SQL, HTML, XML, XSL, Python, Perl, PHP, JavaScript, J2EE, Web Services, The IBM San Francisco Framework

Methodology experience: Software Configuration Management, Object-oriented analysis/design, purchasing ERP, Software Solution selling, Software Architecture, RUP, eXtreme Programming, SCRUM, System integration

PUBLICATIONS

1. Gustav Boström, *Database Encryption as an Aspect*, Aspect-oriented Software Development (AOSD) 2004, Workshop AOSDSEC
2. Gustav Boström, *A case study on estimating the software engineering properties of implementing Database Encryption as an aspect*, AOSD 2004, Workshop SPLAT
3. Jaana Wäyrynen, Gustav Boström, Marine Bodén, *Security Engineering and eXtreme Programming, An impossible Marriage?*, Proceedings of Xtreme Programming and Agile Methods - XP/Agile Universe 2004
4. Gustav Boström, Jaana Wäyrynen, Martin Henkel, *Aspects in the Agile Toolbox*, AOSD 2005, Workshop SPLAT

5. Martin Henkel, Gustav Boström, Jaana Wäyrynen, *Moving from Internal to External Services using Aspects*, Proceedings of Interoperability of Enterprise Software and Applications 2005
6. Gustav Boström, Jaana Wäyrynen, Marine Bodén, Konstantin Beznosov, Philippe Kruchten, *Extending XP Practices to Support Security Requirements Engineering*, To appear in the workshop proceedings of the International Conference on Software Engineering, Software Engineering for Secure Systems.
7. Boström, Gustav and Giambiagi, Pablo and Olsson, Tomas, *Quality of Service Evaluation in Virtual Organizations Using SLAs*, In: 1st International Workshop on Interoperability Solutions to Trust, Security, Policies and QoS for Enhanced Enterprise Systems (IS-TSPQ 2006), 21 Mar 2006, Bordeaux, France.

LANGUAGE SKILLS

English (fluent), French (fluent), Dutch (Basic), Spanish (Beginner), Serbo-Croatian (Intermediate), Swedish (native)

MISCELLANEOUS

President of student association, “Wermlands Nation“	96-97
Board member Östanå Fideikommiss AB	02- ...
Driving licence B	
Civil status: Married, three children	