

Curriculum Vitae

Lars J. Nilsson - Programmer



Introduction

Lars J. Nilsson is a professional computer programmer currently located in Stockholm, Sweden, where he employed by Cubeia Ltd, <http://www.cubeia.com>, which he founded and partially owns. He is also the sole owner of the company XeC Software, <http://www.xec.se>, specializing in Java software solutions.

He holds a Sun Java 2 Certification and a Master of Music Education from Luleå University, Piteå School of Music.

Personal Details

Name: Lars J. Nilsson

Date of Birth: 10th of May, 1974

Location: Stockholm, Sweden

(see end of CV for contact details)

Employments

- **2007 Mars ...** Cubeia Ltd, Stockholm. Deputy Managing Director. Developer.
- **2006 Dec – 2007 Feb** – NetEntertainment AB, Stockholm. Development lead
- **2006 Jan – 2006 Nov** – Tain AB, Stockholm. Senior Java Developer.
- **2003 Mars – 2005 Dec** – XeC Software, Gothenburg. Consultant. Developer / Architect.
- **2001 Sept – 2003 Mars** – RecipeXperience Ltd, Birmingham. Senior Java Developer.
- **2001 Aug – Sept** – Arthur Andersen, London. Consultant. Java Developer.

Languages

Lars programs in any language that will do the job. He has programmed for some ten years and been a professional for six of those years. He favours **Java** for everyday use and dynamic content applications. He has also dabbled his fingers in **Ada**, **Lisp**, **C**, **C++** and **D**.

Key Skills

- Java server development and design.
- Enterprise Java application architecture
- High availability clustering and distribution
- The Java platform and system design

Current employment: Cubeia Ltd

From Mars 2007 Lars is working at Cubeia Ltd, which he is also founder of, as Deputy Managing Director, System Designer and Developer. Cubeia Ltd offers a platform for internet gambling, designed for massive applications, high availability and speed.

Former employment: NetEntertainment AB

Between December 2006 and February 2007 Lars was employed by NetEntertainment AB as a senior Java developer and platform development lead for their casino product.

Former employment: Tain AB

Between January 2006 and November 2006 Lars was employed by Tain AB as a senior Java developer on their Poker server platform. This server is a massively distributed fault-critical cluster, handling thousands of game actions per second. It uses a proprietary client protocol and an Oracle database.

Lars have mainly been involved in system architecture, stability investigations and improvements, profiling, concurrency handling, communications and cluster design. A direct result of this have been a greatly improved stability and speed, for example the server uptime, the period between service windows, have been possible increase seven fold and the maximum number of players per tournament have been increased from four thousand five hundred to approximately fifteen thousand.

Former employment: XeC Software

Between Mars 2003 and December 2005 Lars worked for his own company XeC Software, <http://www.xec.se>, which he uses for consulting, mainly towards his former employees in Birmingham, RecipeXperience Ltd. Below follows examples of projects Lars has led or been involved with for RecipeXperience Ltd as a consultant during this time:

- **Jacuba:** Lars designed and implemented the server framework driving Jacuba, <http://www.jacuba.com>, an on-line AJAX service. Notable techniques used were JAAS, JNI, JMX, JNDI and Servlets.
- **AutomotiveAcademy:** He was principal database designer and developer of the Automotive Academy, <http://www.automotiveacademy.org.uk>, a database collaboration between several universities, the Department of Trade and Industry (UK) and others. This involved planning and designing the functionality, front- and backend, providing data collection framework, unifying users from several sources and making the backend accessible from several different frontends.
- **E-commerce:** Lars designed a flexible e-commerce framework capable of quick adoption for various client needs. He was also responsible for the development group. This framework was later adopted with great success, by for example the Department of Trade and Industry (UK). This was a data agnostic OO high level framework. Later adoptions were made on an XML database and proprietary RecipeXperience frameworks. Notable techniques used were JAAS, XML, XPath, JAXP and SQL.

Former employment: RecipeXperience Ltd

September 2001 to Mars 2003 Lars was employed by RecipeXperience Ltd, Birmingham. Below follows examples of projects Lars has led or been involved with during his employment with RecipeXperience Ltd:

- **RXP:** Lars was one of the main designers and implementers of the RXP framework, <http://www.recipeexperience.com/products/rxp>, a rich browser independent GUI framework for server side applications. This involved secure design through custom encryption libraries, transport protocols, server design and much more. Notable techniques used where JAAS, JCE, JSSE, JAXP, JNI together with custom designed libraries for dynamic class loading, windows service integration and others.
 - **XML Database:** Lars designed and implemented an transactional XML database for internal use within RecipeXperience. This database is still in use and handles hundreds of transaction per second within specialized contexts. It is for example the database behind the home page of the Department of Trade and Industry (UK), <http://www.autoindustry.co.uk>.
 - **RecipeMail:** Lars was the designer and primary implementer of RecipeMail and distributed, load balanced email system using RXP (see above) as front end. This product have now been retired by RecipeXperience but its interfaces can still be found among the RXP demo's. Its email abilities were based on an email API and server developed by Lars earlier (see "other" below). Notable techniques used where SQL, RMI, RXP and various email tricks.
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Former employment: Arthur Andersen

Autumn 2001 Lars consulted for Arthur Andersen in London. The contract involved partial database design and the implementation of an on-line questionnaire for risk evaluation. Techniques included was SQL, JSP pages and Servlets. The platform was Windows NT4 and JRunner.

Some more experience...

Lars programmed in Java several years before he became a professional. Much of this programming went into open source projects and various utility libraries.

The most successful of these is the *Open JMail*, an open source email API still available at <http://www.larsan.net/code>. This highly successful API have seen several thousand downloads and have been used by Cisco Systems, RecipeXperience Ltd, and others.

General Interests

Lars is an educated vocal teacher, frequently works as freelance singer and loves literature, art and computers. He takes great interest in group-communications which he has studied at university level as well as psychology, design concepts and theories, and philosophy. As a part of his music profession background Lars has frequently worked in groups of various sizes in extreme high stress situations as well as long term planned projects. He consider himself an excellent team player.

Contact Details

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