

L.W.C. Nirosch

Bachelor of Science (Major in Computer Science) with Honors.
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Objective

I am looking to join with an innovative Company, driven on cutting edge technologies, as a **Senior Technical Lead/ Software Architect**.

Summary

Almost six (6) years of experience covering all the areas of the application development life cycle such as requirement gathering, documentation, user interface wire frame designing, prototyping, system designing & architecting, developing, test planning, deploying, performance tuning, customer handling and training.

More than four (4) years of experience as a Technical Lead and a Project Lead. Nearly four (4) years of solid experience in architecting complex distributed systems, with having server farms, load balancers, job scheduling server, advance thread pool management, database clusters, etc mainly for global clients.

Skills

- ♦ In-depth coverage of Microsoft .Net Technologies with VS 2003/ 2005.
 - Expert, developing **Windows Form Based Application** with .Net/ C#.
 - Expert, developing distributed systems with **Web Services, WSE, MTOM**.
 - Expert, developing **Windows Services** with .Net/ C#.
 - Expert, developing Web Sites with **ASPX. Net**.
- ♦ Excellent ability of correct utilization of **OOP concepts and design patterns**.
- ♦ **Extensive ability of foresees the IT industry trends**.
- ♦ Leadership skills to drive the technical effort across teams, and make strategic decision under pressure to guide the project in most successful path.
- ♦ T-SQL, Stored Procedures and Triggers especially with Microsoft SQL Server.
- ♦ Fluency of working together with several teams in multiple organizations to deliver one software solution.
- ♦ Proven track records of delivering innovative software products to global client in USA/ Norway/ China, India and also Sri Lanka by meeting tight deadlines.
- ♦ In-depth knowledge of handling XML, HTML, XLS, DTD and Schema.
- ♦ Technical document writing skills (IEEE Standard).
- ♦ Good knowledge of software development methodologies and tools
- ♦ Fair understanding of Human Computer Interaction (HCI) and interface designing.
- ♦ Proven ability of quickly learning new tools & technologies.
- ♦ Linux/ Unix/ Windows Mail/Web Server and Mirror site administration.

Career History

TextCENTRIC Technologies Inc, Sri Lanka – **Project Lead/ Technical Lead**.
(51 months) June 2002 – Present

Mobile Media Company, Sri Lanka – Programmer
(13 months) April 2001 – May 2002

Projects History

<i>Company</i>	TextCENTRIC Technologies (TCI) – Colombo – Sri Lanka
<i>Name</i>	Pearson Custom (Pearson is the world's largest education book publisher) Choices (Referred as PCC) – 2.0 Years
<i>Role</i>	Technical Lead for the overall Project (working extensively at onsite) and Project Leader for the back end part of the system.
<i>Team</i>	12 – 15 (Altogether more than 100)
<i>Technology</i>	Microsoft .Net, C#, Web Service, ASP.NET, Windows Service, MS SQL Server, DCOM, P/Invoke, WSE, DIME

Description

This is a large scale complex project, named "Pearson Project X", developed jointly by four companies named Quark Express, Logictran, KyTeck, and TextCentric Inc (TCI). This allows educators to create/ print & order truly customized textbooks, online, for their student. The system was developed following standard software development methodologies and can be described with following key components

- **PCC Web Portal / Customer Support Center:** This is the front end web site of the system which clients directly interact with.
- **Adaptive Content Repository (ACR) Service:** This is a customizable content repository where additional modules can be added to the main system as and when customer requires them.
- **Content Up-loader:** A fully automated windows service (runs 24x7) that upload contents to the repository. The system also can transform input content to a neutral XML format during the upload.
- **PCC Admin Centre:** This mainly handles various administrative functions related to the main PCC system.
- **Logctran Tools:** Set of stand alone tools written using C++, Java and Perl to process and transform XML to form a customized book object model (BOM).
- **Quark DDS (Dynamic Document) Server:** Quark-Express owns this product and it mainly manage the custom book PDF generation processes.
- **Kytek AutoPage:** Extension for Quark DDS Server, and is responsible for paginating and rendering QXP (Quark Express Page) file for each XML.

As the system integrator, TCI maintains three environment of PCC system, one is for content/ unit proofing and tools testing, second is for integrated system testing and third is the live production system, which consist of six windows servers, two database servers, five MAC servers and a one RAID drive this also consist of one hardware load balancers and a three software load balancer. TCI also responsible for upgrading/ maintain the live production system with nearly zero down time. I as the technical lead of this project, overlook all sections of this project.

I also lead a team of engineers who went to India for three weeks of knowledge transfer sessions with a giant Indian company named HCL Technologies.

<i>Company</i>	TextCENTRIC Technologies – Colombo – Sri Lanka
<i>Name</i>	Text-CENTRIC <u>Adaptive Content Technology</u> – 4 Years
<i>Role</i>	Project Lead/ Technical Lead
<i>Team</i>	5 - 8
<i>Clients</i>	<u>Key-Press</u> , <u>Pearson</u> .
<i>Technology</i>	Microsoft .Net/C#, ASP.NET, Web Service, MS SQL Server, COM, Win API

Description

This is the company flagship product. I involve in designing/ developing this interactive E-Learning solution, which consists of three main modules named Adaptive Book, Adaptive Authoring Tool and Adaptive Content Repository. This project is supported by a HCI research group at Carnegie Mellon University USA.

- **Adaptive Book:** State-of-the-art e-book reader software specifically designed for reading electronic book. Unique features include the ability to highlight, annotate and add resources directly onto the content. Search capabilities, book marking, note taking capabilities and supplement tool along with Digital Review Sheet (Adaptive Book is a result of a Human Computer Interaction research project) give us the advantage over existing other competitive applications. (Adaptive Book Project at CMU)
- **Adaptive Authoring Tool:** The content management tools specially design to arrange “SCORM compliant” course materials for the Adaptive Book. This will create and package the course using various resources such as related textbooks, animations, web quiz, PPT, etc and directly upload it to the content repository to view through Adaptive Book.
- **Adaptive Contents Repository:** The central server of all the transactions. This communicates with both the Adaptive Book and the Authoring Tool. It stores all the book contents, course materials including student records and provides a standard way to communicate by maintaining OKI (Open Knowledge Initiative) compatibility.

<i>Company</i>	Mobile Media Company - Colombo - Sri Lanka
<i>Name</i>	Card Game for Ipaq Pocket PC – 8 Months
<i>Role</i>	Programmer
<i>Team</i>	2
<i>Technology</i>	Microsoft Visual C++, Microsoft Embedded Visual C++, Socket Programming CceSocket, Csocket and Session Thread

Description

Bid a card and if you get the card, you win, else you loose. The Card Game consists of a Server and a Client, where client can log in to the server and play the game with online users. This is a Socket based Multithreaded, Full Screen Game application for pocket PC, developed using MSVC++.






<i>Company</i>	Mobile Media Company – Colombo – Sri Lanka
<i>Name</i>	Mobile Cabin Assistant for Ipaq Pocket PC – 2 Months
<i>Role</i>	Programmer
<i>Team</i>	4
<i>Technology</i>	Microsoft Embedded Visual C++, Thread, Socket,
<i>Description</i>	Mobile Cabin Assistant is a system where the administration of Norsk Kabinforening (Of Scandinavian Airlines) can interact with their members (cabin crews) by publishing news, learning guides and collecting feed backs.

<i>Company</i>	Mobile Media Company – Colombo – Sri Lanka
<i>Name</i>	Payment Gateway Wrapper
<i>Role</i>	Programmer
<i>Team</i>	1
<i>Technology</i>	Microsoft Visual C++, Java Native Interface (JNI)
<i>Description</i>	Developed a C++ DLL for a JNI wrapper to provide an interface to communicate with a C++ Payment Gateway. Developed a Java Servlet to retrieve/ handle credit card data via SSL and communicate with the payment gateway.

<i>Company</i>	Mobile Media Company – Colombo – Sri Lanka
<i>Name</i>	Ice Stream with Mobile Media Platform Technology – 9 Months
<i>Role</i>	Programmer/ Technical Support Asia Pacific Region
<i>Team</i>	3
<i>Technology</i>	Microsoft Visual C++, Linux
<i>Description</i>	Ice Stream (Mobile Media's key product, setup at Dialog GSM Sri Lanka and China Mobile) is a virtually animated, interactive wireless news service.

<i>Company</i>	Mobile Media Company – Colombo – Sri Lanka
<i>Name</i>	MMPS – Mobile Media Payment Solution (Req. Spec.) – 1 Months
<i>Role</i>	Programmer/ System Analyst
<i>Team</i>	1
<i>Description</i>	Prepared the Requirement Specification for Mobile Media Payment Solution. MMPS provides the user, the facility of purchasing goods using mobile devices and paying bills using a preferred method of payment using mobile devices.

My Articles – [Gold Member [Code Project.com](http://CodeProject.com) with **Writer** status]

- ◆  [Practical Approach to Computer System Design and Architecture](#)
- ◆  [Database Model Class Creator for MS SQL Server](#)
- ◆  [Auto Generate Data Access Layer \(DAL\) For MS SQL Database](#)
- ◆  [Learn To Configure Dime with WSE 2.0](#)
- ◆  [Net-Send Plus to Send Formatted Messages](#)

Education

- 1997 – 2000 University of Colombo, Sri Lanka (96/97 Batch)
Bachelor of Science (Computer Major) with 2nd Class Honors
- 1997 Aquinas College of Higher Studies, Colombo, Sri Lanka
Diploma In English
- 1987 – 1995 Nalanda College, Colombo, Sri Lanka
Advance Level in Physical Science (A, B, C, C)

Extra Activity

- ♦ University Colors in Rowing

Personnel Data

- ♦ Full Name Liyana Waduge Champika Nirosh
- ♦ Birth Day 2nd of July 1975
- ♦ Sex Male
- ♦ Marital State Single
- ♦ Citizenship Sri Lanka
- ♦ Visa USA Business Visa for 5 years (2005 - 2010)

I hereby certify that the above information, given by me is true and accurate to the best of my knowledge.

Date: 10/19/2006

L.W.C. Nirosh

Referees

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