H. R. MALINGA ALWIS

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OBJECTIVES

I intend to obtain a dynamic IT professional position allowing me to apply the IT skills and experience I have gained to a maximum extent. I have a passion for working with new technologies and applying my full potential to any work I undertake.

PERSONAL DETAILS

Full Name   Hettiarachchige Randika Malinga Alwis
Nationality Sri Lankan
Age   25 years
Gender   Male

EDUCATION

2009 – Present
   University of Colombo School of Computing.

1999 – 2008
   Nalanda College, Colombo 08.

1994 – 1999
   Isipathana College, Colombo 05.

WORK EXPERIENCE

Internship (Trainee Software Engineer)
   April 2012 – November 2012 (8 months)
   IFS R&D International (Pvt.) Ltd, Colombo.

Voluntary Software Development I
   January 2011 – December 2011 (1 year)
   Central Environmental Authority, Sri Lanka.

Voluntary Software Development II
   July 2010 – December 2010 (6 months)
   Faculty of Medicine, University of Colombo.

RESEARCH EXPERIENCE

University of Colombo School of Computing   2013

Undergraduate Research

Supervisor: Dr. D.D. Karunaratne

A Middleware for Energy Effective Hybrid Execution in Mobile Cloud Computing.

Investigated a methodology for mobile platforms to perform processing tasks energy effectively in hybrid manner by using shared amounts of mobile and cloud resources.

PROJECT EXPERIENCE

Internship at IFS R&D International (Pvt.) Ltd.

Timeline Control

Developed a Custom Control to view given data source in time sequence and also developed an adapter for integrate it into a windows form.

Tools & Tech.   : XAML, WPF, C#, Design Patterns, UML, SQL, SVN, Agile Methodology, Visual Studio, Expression Blend, Visual Paradigm.

Certificate Verifier Application

Developed an Android application for detect QR code of a given certificate by using open source image processing libraries, decoding QR code data and verify data by using web service.

Tools & Tech.: Android SDK, OpenCV, JavaCV, Data Encryptions, QR libraries, WCF, MVC, Oracle Database, SQLite Database, SQL, PLSQL, SVN, IIS, Eclipse, Visual Studio.

Certificate Generator Application

Developed an application for generate high quality vector images of certificates with a QR code by using open source libraries and software.

Tools & Tech.: XAML, WPF, C#, UML, MVC, Oracle Database, SQL, PLSQL, Data Encryptions, QR libraries, Inkscape software, SVN, Visual Paradigm, Visual Studio

Voluntary Software Developments

Human Resources Management System

Developed a web-based system for manage all processes of Human Resources Department of Central Environmental Authority of Sri Lanka

Tools & Tech. : JavaEE, Spring Framework / Spring Security, 3-Tier Architecture, Hibernate Persistence, MySQL, HQL, CSS, JavaScript, XML, Ajax, jQuery, JSON, JBoss Server, SVN, Maven, UML, Eclipse, Visual Paradigm.

Computer Science Society Website

Developed a website for manage web content of the Computer Science Society, University of Colombo.

Tools & Tech.: Joomla CMS, PHP, MySQL, CSS, JavaScript, XML, Ajax, jQuery, Apache Web Server, Net beans.

Document Management System

Developed a web-based System for store and share documents of Faculty of Medicine, University of Colombo.

Tools & Tech.: WordPress, PHP, MySQL, HTML, CSS, JavaScript, XML, Ajax, Apache Web Server, Net beans.

University of Colombo School of Computing

Collaboration Framework - 3rd year project

Developed a collaboration framework to connect all web instances of university and provides a common authentication, Email accounts, and document sharing.

Tools & Tech.: JavaEE, Spring Framework / Security, JBoss Server, LDAP Server, Zimbra Mail Server, Tomcat Server, CSS, JavaScript, XML, Ajax, jQuery, ANT, SVN, Eclipse.

Math Tools Development

Developed an application for solve linear systems and matrix manipulations as 2nd year Final group project of the Numerical Computing.

Tools & Tech.: Python2.6, TKinner, SAGE libraries.

Resource Management System

Developed a web-based Resource Management System as group project of 2nd year Internet Programming course.

Tools & Tech.: PHP, MySQL, XHTML, HTML, CSS, JavaScript, XML, Apache Server.

Inventory Management System

Developed an inventory Management System and online shop as 2nd year rapid application development project for Janadara Motors (Pvt.) Ltd, Colombo 05.

Tools & Tech.: Joomla CMS, PHP, MySQL, HTML, CSS, JavaScript, XML, jQuery, Apache Server.

Institute of Java and Technological Studies

Game Development
Final project of the Sun Certified Mobile Application Developer (SCMAD) Examination Training Program.
Tools & Tech.: Java ME, Net beans.

Web Content Management System

Final project of Sun Certified Web Component Developer (SCWCD) Examination Training program.

Tools & Tech.: JavaEE, JSP, MySQL, HTML, CSS, JavaScript, XML, Ajax, jQuery Library, Net beans.

Book Store Management System

Final group project of Professional Certificate of Java Technology Training program. Developed it for Spider Book Store (Pvt.) Ltd, Colombo 06.

Tools & Tech.: JavaSE, MySQL, Jasper Reporting, Netbeans.

Payroll Management System

Final individual project of Professional Certificate of Java Technology Training program.

Tools & Tech.: JavaSE, MySQL, Jasper Reporting, Netbeans.

VOLUNTARY EXPERIENCE

Forum Administrator   2010-2011
Computer Science Society website.
http://compsoc.lk/

Resource Person   2010-2011
Radio Program ("Internet Sampath Bhavithaya") "Swadeshiya Sevaya" - SLBC.

ACADEMIC QUALIFICATIONS

University of Colombo School of Computing
BSc. in Computer Science
Second Class (Lower-Division)

Software Development
Introduction to Programming Language, Java Application Development, System Programming (C), Internet

Programming, Middleware Architectures, Cryptographic Systems, Data structures and Algorithms (C++).

Software Design & Engineering
Software Engineering Concepts, Systems Analysis and Design, Object Oriented Systems Development, Rapid Application Development, Advanced Concepts in Software Design.

Computer Systems
Computer Systems, Operating Systems (Assembly), Linux, Numerical Computing, Compilers and Automata Theory, High Performance Computing.

Management
Business Management, Planning & Management of Software Project, Professional Issues.

Other
Database Management Systems, Networking Technologies, Neural Computing, Bio-Informatics, Wireless Ad-hoc Sensor Networks, Multimedia Technologies, Probability and Statistics.

PROFESSIONAL QUALIFICATIONS

I followed these Training programs at Institute of Java & Technological Studies (IJTS),
   - Professional Certificate in Java Programming.
   - Sun Certified Java Programmer.
   - Sun Certified Web Component Developer.
   - Sun Certified Mobile Application Developer.

NON-RELATED REFEREES

Dr. D.D. Karunaratne, B.Sc. (Col), M.Sc. (Swansea), Ph.D. (Cardiff), Senior Lecturer,
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Mr. Nalin Sugathapala, BSc (Mathematics),
Manager Training,
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nalin.sugathapala@ifsworld.com • (+94) 112364400

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

H. R. M. ALWIS,
Date: 21-Sep-2013.