

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

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.

Nalanda College, Colombo 08.

G.C.E Advanced Level '07 – Science (Physical) Stream

Isipathana College, Colombo 05.

Primary Education

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.

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 data and verify 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.

VOLUNTARY EXPERIENCE

Forum Administrator 2010-2011

Computer Science Society website.

<http://compsoc.lk/>

Resource Person 2010-2011

Radio Program ("Internet Sampath Bhavithaya") - SLBC.

Honors & Awards

2nd Runner Up 2013 Sep.

Cyber Security Quiz 2013

Awarded by, Sri Lanka CERT | CC & ICTA

Merit 2005

G.C.E Ordinary Level Examination

Awarded by, Nalanda College, Colombo 10.

NON-RELATED REFEREES

Dr. D.D. Karunaratne, B.Sc. (Col), M.Sc. (Swansea), Ph.D. (Cardiff),

Senior Lecturer,

University of Colombo School of Computing,

No. 35, Reid Avenue, Colombo 07, Sri Lanka.

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Mr. Nalin Sugathapala, BSc (Mathematics),

Manager Training,

IFS R&D International (Pvt.) Ltd,

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

H. R. Malinga Alwis,

Date: 25-Sep-2013.