Adiesha **Liyanage**

SOFTWARE ENGINEER · GRADUATE OF UNIVERSITY OF MORATUWA

175, Siyane Road, Gampaha

(+94) 71 132 0 314 | adiesha.12@cse.mrt.ac.lk | adiesha | adieshaliyanage

"I am an enthusiastic hard working individual who is interested in new technologies and driven by motivation to be successful in field of computer science. Since I was a child I have been interested in computers and its related technologies which has led to study of computer science. I believe motivation and commitment is the key to any successful story which I like to live by. "

Experience

MillenniumIT (Pvt) Ltd. Part of London stock exchange group   *Malabe, Sri Lanka*

SOFTWARE ENGINEER   *Jun. 2017 - PRESENT*

- I am currently working on Post Trade product of Singapore Stock Exchange (SGX). I have contributed to development of several gateways such as **Downstream gateway, SBL Interface, SGXNetGateway** and engines such as **IPO engine**. Currently I am developing a testing framework called FortressPT which allows to write tests using domain specific objects for Post Trade software solution.
    - **Downstream Gateway** – This is the gateway that delivers the transaction messages to downstream system for interfacing.
    - **SBL Interface** – Securities Borrowing and Lending Interface. This interface acts as an interface between two depositories for securities borrowing and lending activities.
    - **SGXNet Gateway** – This is an interface for receiving corporate action announcements for the Post trade system.
    - **FortressPT** – This is a testing framework that allows user to test the Post Trade system using Domain specific objects.
- Built automated bamboo CI pipeline to automate regression testing

Proavos (Private) Ltd.   *Colombo, Sri Lanka*

SOFTWARE ENGINEERING INTERN   *Nov. 2015 - Apr. 2016*

- During the internship period I developed a framework for Airline **BSP (Billing and Settlement Plan)** system
- During the internship I developed skills on how to build a framework/Project from scratch. Starting from designing class diagrams, modeling the system and using different design patterns to make the framework better
- During the period of internship I gained experience in JavaEE, Javascript, WildFly, JSP, Linux, FreeMarker and Domain knowledge on Avaition Industry Business aspects

Skills

Programming	JAVA, SCALA, Python, C, C++, SQL, HTML, C#, CSS, JS
Technologies	OpenStack, JavaEE, Akka, Jasper, IBM MQ, TestNG
Tools	Git, Maven, Bamboo, IntelliJ
Additional Skills	Experience in developing Arduino based projects

Education

University Of Moratuwa   *Moratuwa, Sri Lanka*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *May. 2012 - Oct. 2017*

- Graduate of University of Moratuwa Faculty of Engineering Department of Computer Science and Engineering batch 2012, GPA: 3.64 (Dean's list student in semester 7 and 8)

D.S. Senanayake College   *Colombo 7, Sri Lanka*

ADVANCED LEVEL EXAMINATIONS - MATHS STREAM   *2003 - 2011*

- Advanced Level (2011) – 2A's 1B)

Projects

Fortress - PT   *MillenniumIT - project*

CORE MEMBER   *Feb. 2018 - PRESENT*

- This is a testing framework that is used to test Millennium Post Trade system. With the help of this framework users can write tests suites using domain specific objects without worrying about underlying system specific technical details.
- **Technologies and Standards**: Java 8, MQ, MVEL, FIXML, SWIFT, SESE

Private Cloud Management Platform – CloudBox
CORE MEMBER
Final year project
Apr. 2016 - Mar. 2017

- CloudBox is a personal cloud product targeted for small companies and homes. This product will enable the user to create a local private cloud within his home or company with minimal technical expertise. The objectives of this project are to minimize the data usage of the cloud platform by reducing unwanted synchronizations, develop a management console that can simplify the usage and management of the cloud platform for the end user and develop a reliable and efficient private cloud platform for a small company or home. A web based System which manages Human resource, inventory and orders of an Audio Supplying Company.
- **Mentor:** : Prof. Gihan Dias
- **Paper:** : Three-tier Private Cloud Application Management System with On-Site Hardware (Published in International Symposium On Parallel and Distributed Computing (ISPDC), 2017 16th International Symposium)
- **Link:** : `http://ieeexplore.ieee.org/document/8121619/`

Billing and Settlement Plan framework
DESIGNER/DEVELOPER
Internship Project
Nov. 2015 - Apr. 2016

- In my internship I developed a framework that enables airlines to publish agent sales data to the BSP (Billing and settlement Plan) system.
- This framework is used to retrieve and encode the sales data into IATA standard and publish it to a BSP system server automatically.
- **Technologies:** Java EE, SFTP, HTML, CSS, JavaScript

Big Data Project – Tool for visualize different aspects of a social network
DESIGNER/DEVELOPER
Jan. 2015 - May. 2015

- This is a tool for visualize and analyze a social network. When the user inputs a shapefile and data of a social network through a CSV file this tool visualizes the network and allow user to see different statistical measures of the network.
- This framework is used to retrieve and encode the sales data into IATA standard and publish it to a BSP system server automatically.
- **Technologies:** JavaScript, D3.js

Sales Leads Management System
CORE MEMBER
May. 2014 - Dec. 2014

- This is a standalone ERP system developed for government sales division of Sri Lanka Telecom PLC. This is a standalone ERP system to track record and analyze sales Leads until a fully comprehensive ERP system is implemented.
- This application can record, monitor, analyze sales Leads and generate performance reports for a time period.
- Apart from that it supported to analyze the performance of sales managers and indicate them to their superiors.
- **Technologies:** C#, MySQL

Image based ballot-paper (vote) counting software
CORE MEMBER
Apr. 2016 - Aug. 2016

- This software was developed to read, count and classify Sri Lankan parliamentary election ballot papers. This software can recognize the party and up to three preferential votes. Software would process all the ballot papers assigned to it and output the cumulative results to the users.
- This application can record, monitor, analyze sales Leads and generate performance reports for a time period.
- Apart from that it supported to analyze the performance of sales managers and indicate them to their superiors.
- **Technologies:** OpenCV, C++

Publications

International Symposium On Parallel and Distributed Computing (ISPDC)
THREE-TIER PRIVATE CLOUD APPLICATION MANAGEMENT SYSTEM WITH ON-SITE HARDWARE
Innsbruck, Austria
July. 2017

- **Authors:** R.H.N.M.R.L. Abeysekara ; S.W. Abeywardena ; P.R.B. Harasgama ; L.R.A.L. Liyanage
- **Link:** `https://ieeexplore.ieee.org/document/8121619/`

Extracurricular Activity

YEP 4.0 (Youth Empowerment Project)
ORGANIZING COMMITTEE PRESIDENT
AIESEC COLOMBO SOUTH
Mar. 2015

- Youth Empowerment Project is a community development project aimed to improve leadership and entrepreneurial skills of Sri Lankan youth
- This project was carried out for 6 weeks in Sri Lanka. Volunteers from various parts of the world joined this program through AIESEC and helped to deliver better program for Sri Lankan youth.
- As the Organizing Committee president I organized and carried out the program.

Corp Hunt 3
ORGANIZING COMMITTEE VICE PRESIDENT
AIESEC Colombo South
Jun. 2015

- This program was initaited to provide Global Internship programs in Sri Lanks to university students around the world.
- As Organizing committee vice president I pitched this ideas to companies in Sri Lanka to provide internship programs to University Students.

IFly - Out Going Exchange program   *AIESEC COLOMBO SOUTH*

Core Member   *2013*

- This program was initiated to provide global internships to university students in Sri Lanka
- As a member of this program I matched students in Sri Lanka to various internship programs all over the world and trained them to work in various such environments.

Honors & Awards

INTERNATIONAL

2017 **Dean's List student**, Dean's List, Faculty of Engineering, University of Moratuwa, Sri Lanka (Semesters 7 and 8), 2016 - 2017   *University Of Moratuwa*

2015 **Best OGX (Out Going Exchange) Member**, AIESEC COLOMBO SOUTH Awards Night   *AIESEC COLOMBO SOUTH*

2011 **High Distinction**, Australian National Chemistry Quiz   *AIESEC COLOMBO SOUTH*