



## P.L.MIHAN AYESHANA LIYANAGE

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Date of Birth : 19<sup>th</sup> June 1988

### CAREER OBJECTIVE

Dedicate my IT competence to a software engineering position that demands proficiency in modern development technologies and thorough understanding of design concepts.

### EDUCATION

School : Maliyadeva College, Kurunegala (1994 - 2007)

University : University of Colombo School of Computing (2009 - 2013)

### ACADEMIC QUALIFICATIONS

Degree : Bachelor of Science in Computer Science (4 year special)

Class : Second Class Upper division

**Flowed Courses:** Distributed Systems, Advanced Database Systems, Advanced Data Structures and Algorithms, Cryptography, High performance computing, Compiler and Automate Theory

#### Advance Level:

Combined Mathematics: **A**   Physics: **B**   Chemistry: **C**

#### Ordinary Level:

Got "A" Passes for all 10 subjects

### INDUSTRIAL EXPERIENCE

Eight months Training period at **WSO2** from April 2012 to November 2012

- Feature enhancement and bug fixing of the support administration portal.
- Modify Jira-rpc plugin to access the all project properties.
- Work with WSO2 Identity Sever, WSO2 Application Server, and WSO2 ESB.
- Solve problems in support user registration.
- Working experience of the deployment, configuration of the Jira and WSO2 support

## PROJECT EXPERIENCE

### **Research Project: Transaction on Shared Peer to Peer Dataspace**

Model introduces middleware platform which enables the transactional operations in the shared p2p dataspace. Tuples are stored (located) in the local storage of the each node. Although tuples are in various places, peer to peer communication model helps to create abstract, virtual centralized storage to perform computation. To perform transaction tuple location has to be identified and that is done by using bloom filters. Transactions are implemented with basic transactional properties.

Supervisor – Dr. D. Nalin Ranasinghe

- **TMS - Taxi Management System**

System introduces GPS based solution to Taxi reservation process. Driver will inform his current location by connecting to the GPS. Main system will retrieve all information about taxis and reserve suitable taxi for the hire.

- **Mathematical application for Linear algebra**

Developed a mathematical application to carry out matrix manipulation, polynomials and other linear algebraic functions using python language. It has interactive GUI which enables the user to input parameters and application will generate different types of outputs (graphs, tables etc.)

- **WSO2 Support Portal**

WSO2 Support portal is a web application which is designed to automate the work carried out by the sales team. Web app is open to external users and they get registered through this web app. It has several interfaces to access the service such as user management through Ldap, Issue tracking with jira.

- **Web portal for career guidance unit of University of Colombo**

Design and developed a web portal to make easier the work carried out by the career guidance unit of University of Colombo.

- **UCSC Resource Management System**

System helps to keep records and generate reports about resources in UCSC. System backend designed using PHP and MySQL Database frontend from JavaScript, HTML, and CSS

### **Others:**

- Django application developing

Created several apps using Django web framework

- Android application development

Developed an app to connect to GPS and get the current location. After that it will update the database in the server.

## PROGRAMMING EXPERIENCE

### Work with

**Programming languages:** JAVA, Python, C, C++, R, Assembly

**Scripting languages** : PHP, Java Script, Shell Scripting

**Web technologies** : HTML, XML, CSS, jQuery, AJAX, JSON, JSP/Servlet

**Databases:** MySql, H2

### Tools:

**Frameworks** : Django, Joomla, MATLAB, SAGE

**IDE's** : IntelliJ IDEA, Net Beans, Eclipse, Visual Studio, MATLAB

**Modeling** : Microsoft Visio

**Operating Systems** : Linux, Windows

## EXTRA CURRICULAR ACTIVITIES

- Won the “Best All-Round Student in College” prize in 2004
- Worked as a school prefect in college
- Played for school cricket team in Under 13, 15, 17, 19
  - Won the “Best Batsman” award in Indian cricket tour
  - Won the “Best Player” award in 2002, 2003
- Member of District cricket team
- Member of the school athletic team
- Pass “Australian Chemistry Quiz” with Distinction pass

## AREAS OF INTEREST

Distributed computing, DevOps operations, Distributed Searching and have more interest in application development area. Also like to work with Mathematical concepts based programming environments.

## NON-RELATED REFEREES

Dr. D.N. Ranasinghe - BSc(Lond), MSc(Lond),  
DIC(Lond), PhD(Cardiff) (Senior Lecturer)  
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