

LAKMAL PADMAKUMARA

PERSONAL WEBPAGE: [HTTPS://RCLAKMAL.GITHUB.IO](https://rclakmal.github.io)

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EDUCATION

Computer Science, MSc October 2015 – October 2017

Technische Universität München, München, Germany.
(Specializing in Information Systems)

Computer Science & Engineering, BSc Eng. (Hons) June 2008 – February 2013

University of Moratuwa, Katubedda, Sri Lanka .
(CGPA – 3.53, Dean's List - 2008, 2010)

Research Frontiers in Computing, Summer School June 2012

National University of Singapore, Singapore
(Only undergraduate from Sri Lanka to participate in this summer school in year 2012)

GCE Advanced Level Examination, Mathematics January 2005– August 2007

Royal College, Colombo, Sri Lanka
(Island Rank – 81 out of more than 20,000 student candidates)

GCE Ordinary Level Examination January 1999– August 2004

Royal College, Colombo, Sri Lanka

RESEARCH & WORK EXPERIENCE

Software Engineer (Working Student) November 2015 –February 2016

Cliqz GmbH, Munich Area, Germany

- Working with Python, Apache Spark, Amazon EMR/EC2 and large data sets as part of a team that creates better user agents to navigate the Internet.

Technical Lead January 2015 –September 2015

Senior Software Engineer March 2014 –December 2014

Virtusa, Colombo, Sri Lanka

- Played the roles of Technical Lead & Senior Software Engineer for the development of **British Telecommunication (BT) Global Services Portal**, which has over 50+ internal web applications and 100+ Single-Sign-On external web applications: (**Spring**, **Hibernate**, **WebLogic Application Server**, **Riverbed Traffic Manager**, **SOAP & RESTful WebServices**, **JavaScript**, **jQuery**, **Backbone.js**, **Node.js**, **Grunt.js**, **CSS**, **UNIX**, **Apache**, **Oracle SQL**)
- Worked closely with the business analysts and the clients in the requirement gathering process to ensure a smooth high-level & low-level design.
- Prepared/reviewed the detailed technical designs for the gathered requirements with the inputs of technical architects
- Led the development process by overseeing the development tasks assigned to the team members and mentoring junior team members.
- Conducted code reviews to ensure a high quality final delivery.
- Worked closely with the Delivery, QA & Production Support teams to ensure a smooth and timely release to the production environment.
- Analyzed & evaluated new technology frameworks to be used in the development process.
- Tool Kit: **Eclipse**, **SVN**, **Luntnbuild**, **putty**, **HP Quality Center**, **Scrum**

Software Engineer Graduate Intern March 2013 – February 2014

Comerge AG, Zurich, Switzerland

- Involved in the development process of Mobility Customer Portal (Mobility is one of the biggest car sharing provider in Europe) as a member of the Web team (**Google Web Toolkit**, **Twitter Bootstrap**, **Java**, **jQuery**, **JavaScript**, **CSS**, **JUnit**, **PowerMockito**, **MVC**)
- Implemented automated test suites for Mobility Customer portal using **Selenium 2** Framework and **Java**, which reduced the time duration of release night process by more than 10%.
- Implemented an interactive car model which is integrated in to Mobility touch application (**HTML5**, **GWTP**)
- Developed an API to transfer Austrian customer details from Mobility system to ZipCar.at system. (**Java**, **Web Services**, **JSON**)
- Tool Kit: **Eclipse**, **Git**, **Maven**, **Jenkins**, **Confluence Wiki**, **Jira**, **Sonar**, **Scrum**

Software Engineer Intern February 2011 – September 2011

Audials Software AG, Karlsruhe, Germany

- Developed content based filtering algorithms to identify irrelevant & false information of Audials online streams logs, which improved the creation time & quality of Audials database by 12% & 5% respectively. (**Python**, **MySQL**)
- Created a tool to analyze log files of Audials music recordings and a build server to automate the testing of Audials social media plug-ins such as YouTube, Vimeo, which reduced the daily effort of QA team substantially. (**Python**, **XML**)
- Developed a new web service called "Zapping" to be used in the Audials mobile version, which filters online radio music based on user's preference of music artist, music genre, and station location. (**PHP**, **MySQL**)
- Tool Kit: **Eclipse**, **NetBeans**, **SVN**, **CC.NET**, **Mantis**

PUBLICATIONS & RESEARCH PROJECTS

GajaNindu

December 2011 – December 2012

Distributed Management Framework with User Defined Management Logic

This paper introduces a generic framework to manage large-scale distributed systems with custom management logics, to support unique business & organizational requirements. (Java, Apache Zookeeper, Apache Thrift, JBoss Drools)

Tools – Eclipse, Maven, Git

(IEEE International Conference on Information Technology: New Generations -ITNG '13) (Supervisor: Dr. Srinath Perera)

LEADERSHIP & VOLUNTEER ACTIVITIES

Facilitator & Moderator, World Conference on Youth '14

May 2014 – June 2014

Led panel discussions & group discussions on the topic of 'systematic inequalities' with the participation of United Nations officials, international youth delegates, local & international government officials and parliamentarians.

Member, Sri Lankan Delegation, ISFiT

Jan 2013 – Feb 2013

ISFiT is the largest student festival in the world, which takes place in every two years in Trondheim, Norway & gathers youth leaders around the world to discuss globally important topics.

Local Committee President, IAESTE Sri Lanka,

December 2011 – December 2012

Led the Sri Lankan chapter of IAESTE in 2012 by facilitating incoming interns & finding exchange opportunities for local students. IAESTE is a global organization, which facilitates student exchanges in over more than 88 countries.

Administrative Board Member, SL2College,

February 2012 – August 2013

Led the SL2College team based in Sri Lanka in organizing seminars & conferences to create awareness for educational opportunities. SL2College is non-profit, educational organization consist of more than 500 Sri Lankan intellectuals living across the world, which assists Sri Lankan students in finding educational opportunities.

Student Field Representative

August 2009 – December 2010

Acted as the student representative of 100 undergraduates in all academic & non-academic activities organized by Department of Computer Science & Engineering, University of Moratuwa.

HONORS & AWARDS

Personal Excellence Award, Virtusa

July 2015

Awarded by the hands of Clive Selley, CIO British Telecom, for the outstanding contribution to British Telecom Global Services Portal Development, during his visit to Virtusa Colombo office.

Dean's List, University of Moratuwa

February 2010 & August 2011

A student should obtain a semester GPA greater than 3.8 to be placed in the dean's list.

Mahapola Merit Scholarship

June 2008

Awarded Based on the outstanding performance in A/L Examination 2007.

Amal De Mel Memorial Prize, Royal College

August 2004

Excellent performance in Mathematics

Dudley K.G.De Silva Memorial Prize, Royal College

August 2004

Excellent performance in Science

CERTIFICATIONS

Certified ScrumMaster

December 2014 – December 2016

Scrum Alliance, License Member 000377283

Sun Certified Java Programmer

April 2010

Sun Microsystems

BCS Level IV Certificate

April 2009

British Computer Society

REFERENCES

Dr . Srinath Perera

Head of Research,
WSO2 Inc.

Email: srinath@wso2.com

Dr. Shehan Perera

Senior Lecturer
University of Moratuwa

Email:shehan@uom.lk

Eng. Nihal Wijewickrama

Senior Lecturer, Director Industrial Training
University of Moratuwa

Email:nihal@mrt.ac.lk