



Yasas Sri Wickramasinghe

Lecturer, Associate Technical Lead and AR VR Researcher

Experience

Lecturer, Faculty of Information Technology

2021 April – Currently

University of Moratuwa, Sri Lanka

Serving as a Lecturer for the Department of Information Technology, mainly conducting lectures on Database Management Systems, Computer Architecture, Enterprise Application Development, and Project Management modules.

Associate Technical Lead

2020 July– 2021 April

99x, Sri Lanka

Full Stack Enterprise Application Development and Leading a Cross Functional Agile Scrum Team, involved with a Norwegian Project catering Supply Chain Management at Scandinavian Region.

Senior Software Engineer

2019 July– 2020 July

99x, Sri Lanka

Full Stack Software Engineering, catering Norwegian Warehouse Management Industry and also Norwegian Geographical Information System.

Software Engineer

2019 July– 2020 July

99x, Sri Lanka

Full Stack Software Engineering, Developing Geographical Information System to Visualizing and Organizing Map Data.

Research Publications

Virtual Reality Markup Framework for Generating Interactive Environments

IEEE International Conference (ICETSS - 2017) - Thailand

This Research was focused on implementing a framework for generating Interactive Indoor Environments with Virtual Reality. Interactions were designed based on Image Processing. Technologies Used: VRML, OpenCV, Python, Java, Sphinx

DOI: 10.1109/ICETSS.2017.8324175

Publication: <https://ieeexplore.ieee.org/document/8324175>

A Mobile Application with Augmented Reality to Enhance Sinhala Learning Experience

The Research Symposium of the Information Technology Research Unit (ITRU - 2015), Sri Lanka

This Research was focused on improving the Sinhala Language learning efficiency using Augmented Reality based Mobile Application with Multimedia Content.

Technologies Used: Unity 3D, Vuforia SDK, OpenCV, Android

Publication: <http://dl.iib.uom.lk/handle/123/12494>

Education

Specialization of Virtual Reality

2019 October – 2020 November

Goldsmiths, University of London

This Specialization Source included Sub Modules such as 3D Models for Virtual Reality, Building Interactive 3D Characters for Virtual Reality, Building a Virtual Reality Game and Basic Concepts of Virtual Reality.

B.Sc.(Hons.) in Information Technology

2013 August – 2017 August

University of Moratuwa, Sri Lanka

Ranked in Dean's List in many semesters. Published my Final Year Research Paper related to Virtual Reality at IEEE International Conference at Thailand.

About me

I am an energetic, straightforward passionate graduate with outstanding academic performances and award-winning experiences in IT Industry. I always love to take problems as challenges and solve them creatively and efficiently as an individual or as a part of a team. I am looking forward to utilizing my experience and skills to contribute my level best to your project and community while improving myself with a winning mindset.

Personal info

Age: 29 Years

Marital Status: Single

Contact info

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Kadawatha,
Sri Lanka.

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Phone:

+94 768 666 603

View My Portfolio

scan the QR code





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Education

GitLab Certified Associate

GitLab

2021 January - 2021 April

MIT Global Startup Labs

MIT United States with the Sponsorship of WSQ2 Sri Lanka

2015 June – 2015 August

Oracle Certified Professional Java Programmer

Java Institute, Sri Lanka

2015 January - 2015 August

Certificate Course in Computer Science - Batch Top

National Institute of Business Management (NIBM), Sri Lanka

2012 June - 2012 November

Diploma in English

Aquinas University College, Sri Lanka

2009 October - 2010 October

GCE Advanced Level Mathematics Stream Z-Score 1.89

Nalanda College, Sri Lanka

2009 January - 2011 August

Awards and Achievements

Excellency Awards - Best Initiative Team Lead at 99x

Awarded for consecutively 3 times (2018, 2019, 2020) by 99x for leading University Relations Initiative

“Emerging Xian” Award at 99x

Nominated for top 3 and recognized as an Emerging Xian by 99x, Sri Lanka

Championship at “Hackanix” - Island Wide Inter University Hackathon 2015

Organized by Microsoft Sri Lanka and AIESEC Colombo South, Sri Lanka

Developed an Augmented Reality Mobile Application for Education Industry

1st Runner-Up at Microsoft Imaging Cup - National Finals 2015

Organized by Microsoft Corporation, United States with Microsoft Sri Lanka

Won this Award under Gaming Category - Developed a Virtual Reality Game “Excavenge”

1st Runner-Up at “Fuegostica V2.0 Code Ultimate” Hackathon 2015

Organized by Dialog Axiata and AIESEC Colombo South, Sri Lanka

Developed a Gaming Experience with Mixed Reality

2nd Runner-Up at IESL YMS Hackathon 2014

Organized by Institute of Engineers, Sri Lanka

Developed a Platform to Manage Events - “EVOP”

2nd Runner-Up at Dialog Ideamart “Mora Hack” Hackathon 2016

Organized by Dialog Ideamart, Sri Lanka

Developed an IoT based Car Controlling System with Mixed Reality Technologies - “VRELLAR”

Finalist at “SSAsia12 Code-A-Thon” Hackathon 2016

Organized by IEEE Sri Lanka

Developed an IoT based Learning Platform for Differently-abled Students

Semi Finalist at “DistrupX” Hackathon 2016

Organized by SLASSCOM and IEEE Sri Lanka

Developed Learning Platform with Student Tracking for Hearing Impaired Students - “සංකල්ප”

First Place at Google Translation Marathon 2015

Top 5 Innovative System Designs - Dialog Ideamart Hackathon 2014

Best English Announcer and Outstanding Student - College of English 2011

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Key Skills

Programming/Scripting:

C/C++. Java, Spring Boot, Angular, VueJs

Database Management Systems:

MySQL, MSSQL, Postgres

Cloud Services and DevOps:

AWS, Azure, Bamboo Integration, GitLab, Bitbucket, GitHub CI/CD, Docker, Squid Proxy, SSL and Secure Web Hosting

Research Oriented Technologies:

Virtual Reality with Google Cardboard SDK, and Oculus SDK, Unity XR, Augmented Reality with Vuforia SDK, OpenCV, Unity Scripting, WebGL, Python

IDEs and Tools:

IntelliJ IDEA, Visual Studio, PgAdmin, Postman, OWASP ZAP, Unity 3D, Android Studio, SSH and Linux Terminal

Other Skills:

Leadership, Public Speaking, Agile Scrum Process Management, Presentation and Soft Skills



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Interests & Hobbies

Traveling,
Aerial Photography,
Projection Mapping,
Conducting School Seminars

Scan the QR code
and visit my portfolio



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Projects

DRIW Order Management System (OMS)

2019 January - 2021 April

99x, Sri Lanka and DRIW AS, Norway

Order Management System is the Core of Trace Warehouse and Supply Chain Management System of the Norwegian Company, DRIW. As a Full Stack Engineer, I worked with this offshore project together with cross-functional offshore project teammates.

Technologies Used: Java Spring Boot, VueJS, Spock and Groovy, Postgres, AWS, GitLab

Nordeca Insight - Norwegian GIS Web Application

2017 August - 2019 January

99x, Sri Lanka and Nordeca AS, Norway

This project is a Web-based Geographical Information System that is very popular in the Nordic region used for Data Visualization and Event Planning.

Technologies Used: Java Spring Boot, JSP Servlets, EJB, OpenLayers, Angular, AWS, MQ

DesignX Studio - Virtual Reality Markup Framework

2016 October - 2017 May

Research Project, University of Moratuwa

This research is for implementing a Virtual Reality Markup Framework for indoor modeling and visualizing. As supported user interactions to navigate an avatar in the virtual environment, Natural Language-based user inputs, Real-time hand gesture capturing using a web camera, and Sinhala voice command support were given. For dynamically generating 3D models, the system allows sketch diagrams.

Technologies Used: OpenCV, Sphinx, Java, Python, C++

“සිංකලේප” - Mixed Reality Platform for Hearing Impaired Students

2016 August

Independent Research Project and Community Service Project, University of Moratuwa

This project is specially designed for hearing impaired students with the objective of delivering the maximum technological support to leverage their learning abilities. This system contains a Sign Language Recognition module, IoT-based Real-Time Student Monitoring, and Virtual and Augmented Reality based learning aids.

Technologies Used: Microsoft Kinect SDK and Sensor, JavaScript, Google VR SDK, Vuforia

carelinkEdge - Healthcare Management System

2016 March - 2016 September

Internship Project at 99x, Sri Lanka and IconGlobal, Australia

This project is a Health Care Management System facilitating Health Document Management. This project has modules such as Dynamic Form Generation, Mobile App, and Content Management Module.

Technologies Using: Microsoft .NET, SQL Server, Crystal Report, AngularJS, Entity Framework, Kendo UI, Bamboo CI

Smart Taxi Platform

2014 August - 2015 May

Second year Industry Based Software Project, Mitra Innovations and University of Moratuwa, Sri Lanka

This is a Web Platform that integrates Car Rental Companies and Taxi Service Providers. This system consists with Car Tracking Module, Vehicle Management Module and SMS and Email Notifications.

Technologies Used: CakePHP, JQuery, Ideamart SMS API, Google Maps API

Handy Kitchen Protector - Hardware Project

2013 May - 2014 November

First year Hardware Project, University of Moratuwa, Sri Lanka

This is a Hardware project which can detect Gas Leakages and notify House Owners. And this device can measure the consumption of LP gas in a domestic environment, and it is attached to the computer. Through a Java-powered desktop application, users can get an overview of Gas consumption.

Technologies Used: Atmega32 Microcontroller Programming, Java



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Licenses and Certifications

Specialization of Virtual Reality by Goldsmiths, University of London

<https://www.coursera.org/account/accomplishments/specialization/7BFRY93HDVHZ>

Virtual Reality Game Project mentored by Goldsmiths, University of London

<https://www.coursera.org/account/accomplishments/verify/AJT5VZZBUQ8B>

Building Interactive 3D Characters and Social VR by University of London

<https://www.coursera.org/account/accomplishments/verify/PDFT5DU3TPRA>

3D Interaction Design in Virtual Reality by University of London

<https://www.coursera.org/account/accomplishments/verify/G2PDHR4GJEVQ>

3D Models for Virtual Reality by University of London

<https://www.coursera.org/account/accomplishments/verify/8NTBM42NT3LV>

Introduction to Virtual Reality by University of London

<https://www.coursera.org/account/accomplishments/verify/ZE5UBBXCQZ7Z>

GitLab Certified Associate by GitLab

<https://badgr.com/public/assertions/-flqjMR4TymqTk5azGc-2A>

COVID-19 Contact Tracing by Johns Hopkins University

<https://www.coursera.org/account/accomplishments/verify/67M8ZDDPU4U6>

Online Presence and Digital Footprint by University of Edinburgh

<https://www.coursera.org/account/accomplishments/verify/NWYHHGR2TW7A>

Product Development: Customer Journey Mapping with Miro

<https://www.coursera.org/account/accomplishments/verify/Z9KLD52NUUFY>

Scrum Foundation Professional Certificate (SFPC) by CertiProf

Credential ID: CLVPBDPRSN-SLZHJQGH-XHMWPHSTYX

Building Conversational Experiences with Dialogflow by Google Cloud

<https://www.coursera.org/account/accomplishments/verify/XY2NDDDFEM37>

Fundamentals of digital marketing certification by Google Digital Garage

<https://learndigital.withgoogle.com/digitalgarage/validate-certificate-code> Certificate ID: X3R WU6 8JW

YouCon 2.0 International Conference by AIESEC Sri Lanka

Future Leaders - Outbound Leadership Training Program By Sri Lanka Army

Extra-Curricular Activities and Volunteering

Program Manager and Speaker at SL-Inspire Program by SL2College

Youth Driven Registered Volunteering Organization in Sri Lanka.

Motivational Speaker at various School Seminars

Volunteering as a Speaker and Self-Organizing School Seminars in Sri Lanka

Tech Speaker at Public Events and Conferences

Tech Sessions and Workshops on Virtual and Augmented Reality Application Development

CSR Virtual Reality Application Developer - "VirtualExpo"

Developed as a CSR project for my school, allowing exhibitions to be hosted on this Virtual Reality platform

Blogger

Tech Article Writer on Medium

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Non Related Referees

Dr. L. Ranathunga

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