



# Isuru Nuwanthilaka

Software Engineer

- February 19, 1995
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- Sri Lankan

## About Me

I am a passionate engineer looking for a challenging and interesting opportunity to apply both theoretical and practical knowledge to build successful software products.

## Profiles

- LinkedIn
- Github
- Stackoverflow
- Youtube
- Resume

## Languages

- English ● ● ● ● ●
- Sinhalese ● ● ● ● ●
- Tamil ● ● ● ● ●

## Education

2021 – 2023	<b>MSc in CS</b> Software Architecture Specialization	CSE, University of Moratuwa
2015 – 2019	<b>BSc(Hons) in Engineering</b> Second Class Upper Division, Specialized in Electronic and Telecommunication Engineering	ENTC, University of Moratuwa
2014	<b>GCE Advanced Level</b> Placed 36th in the island and 11th in the Colombo District, 4 A passes Combined Mathematics, Physics, Chemistry, General English	Ananda College, Colombo 10
2011	<b>GCE Ordinary Level</b> 8 A passes and 1 B for English Literature	Ananda College, Colombo 10

## Experience

2020 Mar - Present	<b>Software Engineer</b> I am responsible for developing microservices for enterprise applications, design and implement, maintain source code clean and handy, and also continuous deployments. Mainly I work with Java 11 - SpringBoot, Postgres, Docker, Python, Go, SOA and Jenkins.	MillenniumIT ESP(Sri Lanka)
2018 Jun - 2018 Dec	<b>Intern - Software Engineering</b> I was responsible for implementing and integrating MiWiFi Quota Management System. Also I worked on Java 8, Docker, Postgres, Scala, AAA server - Radiator, Python, Go	MillenniumIT ESP(Sri Lanka)

## Projects

2020-2021	<b>Active contributor of PeoTVGo OTT Solution</b> <i>Project work at MillenniumIT ESP</i> PeoTVGo OTT Solution is developed for SLTMobitel which is a leading telecommunication service provider in Sri Lanka. Tech stack : Java11 (SpringBoot), Python, Postgres, Linux, Jenkins, Ansible, Docker, Git, POST-man Participated in designing and implementation.	
2020	<b>Ballerina Medium Connector (Open Source)</b> <i>Ballerina, WS02</i> As a contribution to Open Source, developed Medium connector for Ballerina. V1.0.0 is Live!. Ballerina is developed by WS02. Code Base: <a href="https://github.com/isurunuwanthilaka/ballerina-medium-connector">https://github.com/isurunuwanthilaka/ballerina-medium-connector</a> Package: <a href="https://central.ballerina.io/isurun/medium">https://central.ballerina.io/isurun/medium</a>	
2019	<b>CRAN based D2D Communication</b> <i>Final Year Project</i> Development for wifi direct D2D communication link over smart devices with the support of cloud assisted controller. Technology stack used : SDR USRP N210, Android, Firebase - auth, realtime db, cloud functions, Wifi/Wifi Direct.	
2018	<b>Water Level Indicator and Water Pump Controller</b> <i>Atmega 328P Microcontroller Programming</i> Programming Atmega328P microcontroller in C programming language to controlling the household water pump. Tech stack : C/C++, Arduino, Micro processor	
2018	<b>IsumaSchool</b> <i>Android App</i> This project is to enable all Sri Lanakans to learn freely online in sinhala on their smartphones. This is carried out as a non-profit project. Tech stack : Android, Firebase, Room Database, Deploy on Playstore, Integration with Youtube. Live at <a href="https://play.google.com/store/apps/details?id=com.isumalab.learn">https://play.google.com/store/apps/details?id=com.isumalab.learn</a>	

# Skills

- ✓ Java (SpringBoot)
- ✓ Python
- ✓ Docker
- ✓ Jenkins (CICD)
- ✓ Git (VCS)
- ✓ Go
- ✓ PostgreSQL
- ✓ Microservice
- ✓ Algorithms and Data Structures

## Projects(Data Science)

- 2019 **Dialog Datathon**  
*Smart City Planning based on CDR*  
Developed machine learning models for smart city planning tasks, Skills: python, pandas, scikit-learn, seaborn, Azure DSVM

## Awards

- 2018 **IEEEExtreme 11.0 - World Rank: 324** University of Moratuwa  
24 Hour International Programming Competition organized by IEEE Member of 3-member team CLIC
- 2016-2017 **MoraExtreme Programming Competition** University of Moratuwa  
member of Team CLIC ,6th place – 2016,2nd place – 2017
- 2015 **Dean's list-Semester 1** University of Moratuwa  
Dean's list – Semester 1 with SGPA 3.89 and placed 58th
- 2012 **Dialog Merit scholarship 2012** Ananda College,Colombo 10  
Dialog Merit scholarship 2012 for Colombo district based on special achievements at G.C.E. Ordinary Level 2011
- 2007-2014 **Class First** Ananda College,Colombo 10  
General Proficiency Prize – for 6 years at Ananda College, Sri Lanka.
- 2007-2014 **Subject Prizes** Ananda College,Colombo 10  
Subject Prizes at Ananda College, Sri Lanka including Chemistry (2013), Health and Physical Education(2011), Buddhism(2010),Science (2010,2008),Tamil(2009,2008)
- 2007 **3rd SAARC-Bronze Medal** Ananda College,Colombo 10  
3rd SAARC open karate-do championship 2007, Allahabad, India
- 2007 **TIGSKC - Silver Medal** Ananda College, Colombo 10  
Triangular and International Goodwill School karate championship, Sri Lanka 2007 - Silver Medal

## Certifications

- 2020 **Deep Learning Nanodegree**  
*Udacity*  
This nanodegree includes NN,CNN,RNN,GAN and hands-on AWS SageMaker deployment.Completion ID : 434M3LSP
- 2019 **Convolutional Neural Networks**  
*Coursera*  
Offered by DeepLearning.ai ID : CK6PDQEX3S2M
- 2019 **AI For Everyone**  
*Coursera*  
Offered by DeepLearning.ai Completion ID : YETW7WJZ7SKG
- 2019 **Core Database Concepts**  
*Coursera*  
Offered by Arizona State University Completion ID : CUGAGTPYMYCC
- 2019 **Structuring Machine Learning Projects**  
*Coursera*  
Offered by DeepLearning.ai Completion ID : K74VMVUSRQP7
- 2018 **Machine Learning**  
*Coursera*  
Offered by Stanford,Andrew Ng Completion ID : LYJZCS8BPSLD

## Interests

- Hobbies I read books, meditate or do blogging
- Interests Software Development, Software Architecture and Patterns, Algorithms and Data Structures
- Research Software Architecture