



# ASHENIKA PERERA

Software Engineer

## EXPERIENCE (4 YEARS+)

### Software Engineer - Wiley Global Technologies - 2020 - Current

Working as a php developer in LMS domain. Mainly focused on Moodle development.

### Freelancing Developer - Zligger.com 2020 (6 months)

Did freelancing just after graduation. 6 months +. Shopify development, Laravel, Javascript.

### Trainee Software Engineer - OREL Corporation - 2018 to 2019

Worked as a trainee developer while continuing bachelor's degree. Laravel development, Javascript, SQL

### Software Engineer Intern - OREL Corporation - 2017 to 2018

Worked as a trainee developer while continuing bachelor's degree. Laravel development, Javascript, SQL

## EDUCATION

### MSC in Data Science

Cardiff Metropolitan University - ICBT  
2023-Current

### BEng (Hons) in Software Engineering

University of Westminster - IIT (Second Upper Hons)  
2016-2020

### Diploma in IT and E-Commerce

ESOFT  
2011

### Primary and Secondary Education

HFC Wennappuwa  
2001-2014

## CERTIFICATIONS

- Safe Agilist
- AWS Certified Solution Architect Associate - In progress

## About Me

I'm a Software Engineer with a passion for coding. I enjoy Full stack developing. And I do graphic designing, painting and photography as well. I am self-motivated learner who gradually search for new technologies and tryout. I did php development mostly and I'm planning to change my tech stack.



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<https://ashenika.github.io/>



<https://lk.linkedin.com/in/ashenikaperera-73554712b>



[https://twitter.com/asheni\\_perera7](https://twitter.com/asheni_perera7)

## OTHER DETAILS

Languages - English, Sinhala

Nationality: **Sri Lankan**

DiSC type: CS (Conscientiousness, Steadiness)

## PROJECTS

### Wiley Edge LMS

Moodle Platform for Wiley Edge Employee based training programs. Custom development of Moodle to accomplish reporting needs and other customizations.

Technologies: Moodle, PHP, JS, AWS,

### The Learning Platform

A Github Classroom Integration. Used automated code analysis, unit test results and marking for different languages

### Lean CRM

A system that automates manufacturing procedures focused on Lean Manufacturing Technologies and SCM, which can identify the true demand of the customer.

Technologies used: Laravel, Lean Manufacturing, CRM, AngularJS, Android, Retrofit, Google Assistant, Dialogflow, Viber API, Google Calendar Integration

### OHome

A Home Automation System that aims to develop a new range of switches and sockets which can be controlled by mobile app and a connected device.

Technologies used: Android, MQTT, Arduino, IOT, Java, Electronics

### Beacon Locator app

A Beacon Locator app which can detect a Bluetooth beacon. It is an offline map location detector.

Technologies used: Android, MQTT, Bluetooth Beacon, IOT, Java, Electronics

### Simplify Claim

Designing and implementation of an Expense Management System which automates the employee expenses claim procedure.

Technologies used: PHP, Laravel, Web Service, Android

### Smart Label

Designing and implementation of the manufacturing procedures of a company.

Technologies used: PHP, Laravel, Web Service, Angular JS, UI UX

### OLead App

A sub project of Lean CRM which manages the procedure of Customer Requirement.

Technologies used: PHP, Laravel, Android, Retrofit, Angular JS, UI UX, Lean Manufacturing, CRM

## RESEARCH

### A Machine Learning approach for identifying Ostealgia using Image processing

*Description:* A study of a prediction to analyze the beginning stage of Ostealgia on the patient's side by utilizing external systems of different Ostealgia diseases. And the probability of a fracture is determined by getting BMD value from creating a Synthetic X-Ray of a hand image.

*Technologies and Methods Used:* Python, Random Forest Classification, Machine Learning, Image Processing, Bone Mineral Densitometry Algorithms Skeletonization, Image Feature Detection

### Smart Tooth Detector

*Description:* This project investigates a smart tooth detector which enables to detect cavities of teeth.

*Technologies and Methods Used:* Python, Android, OpenCV, Real time Image and Video processing,

VPS cloud server database system, IOT, Electronics

## OTHER PROJECTS

### ● Ustore

Designing and implementation of an E-Commerce Website using Shopify E-Commerce Platform.  
Technologies used: Shopify, Liquid, UI/UX, Javascript, PHP Webservice, HTML5, CSS3

### ● West Fashion Week

West Fashion Week Mobile Responsive application for UI UX  
Technologies used: UI UX, JQuery mobile, Javascript, Web service API

### ● Newly.lk

Designing UI of a News website  
Technologies used: UI UX, Angular 9, Javascript, Web service API, SCSS

### ● Designing and Implementation of Web Service based E-Bank

Web services-based employee service and customer service.  
Technologies used: Java, SOAP Web Service, UML

### ● Green Cart

An E-Commerce website using Opencart.  
Technologies used: Opencart, UI UX, E-Commerce

## SKILLS SUMMARY

PHP	<div><div></div></div>	SQL/Postgresql	<div><div></div></div>
Java	<div><div></div></div>	Laravel/Codeignitor	<div><div></div></div>
HTML/CSS	<div><div></div></div>	JavaFX	<div><div></div></div>
Angular	<div><div></div></div>	Android	<div><div></div></div>
Python	<div><div></div></div>	Agile	<div><div></div></div>
Javascript	<div><div></div></div>	OOP	<div><div></div></div>

C#.NET, BackboneJS, SOA, Image processing, Social Media analysis, React Native, CRM, OpenCV, MVC, NodeJS, GIT, Linux, UI-UX, JIRA, Teamwork, VMWare, Heroku, Retrofit, Dialogflow, MQTT, Tableau, PowerBi, Shopify, ViberAPI, TwitterAPI, Jenkins, AWS, Dynatrace, Moodle, RabbitMQ, Kafka

## ARCHIVEMENTS

### Academic

- Participated to IIT HACK 2017 -by IEEE Student Branch
- Semifinalists of GSEA 2017 – AAK Labs, (Apex)
- 2nd Year Best Project 2nd runners up at Cutting Edge 2017
- Participation of NBQSA in BIS Category- (Apex)
- Member of IEEE and WIE
- Diploma in English at ESOF (21597)
- Diploma in IT with E-Commerce at ESOF (21596)
- Pearson-Assured by edexcel Certificate of Dip. in IT (93104)
- Top Ten in SheCODERess.v1.0 Hackathon 2017 by UWU
- 2nd Runners up in Wiley SL Hackathon 2021

### Non-Academic

- Wildlife Photography Competition Merit Award 2014 -
- Department of Wildlife Conservation

## INTERESTS AND HOBBIES



Programming



IoT and Electronics



Research & Development



Guitar Playing



Photography



Singing



Painting



Data science

## NON-RELATED REFEREES

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I hereby Certify above details are correct and true.

*Asheni Perera.*