

# ISURU DILANTHA MATHARAARACHCHI

## PROFILE

A modern tech enthusiast who has quick learning and problem-solving abilities. Cooperate with teams, take responsibilities and working hard. Trying to become a responsible and resourceful person in a leading and fast-growing organization by adapting to new technologies and by adding value to the organization.

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## EXPERIENCE

### DIRECT ENTRY PROGRAM (DEP)

#### Institute of Java and Software Engineering (IJSE) (08/2019 - 01/2020)

Successfully Completed a training program conducted by IJSE. Developed industrial level projects with the technologies such as Java, Java EE, Hibernate, Spring, JavaScript, JQuery and Angular 6 with maven and git.

## PROJECTS

### CEMENT AGENT MANAGEMENT SYSTEM

This is a standalone desktop application developed to a cement agent to handle business functions such as customer orders, delivery notes, handling transactions and generate various reports.

- Technology Stack** : Java 8, Java FX, MySQL, Maven, Git
- Architectures** : Layered
- Role Played** : Gathering requirements, developing, testing and deployment
- Duration** : 10/2019 - 12/2019 (2 Months)

### POINT OF SALES SYSTEM

Both desktop & web applications (standalone) developed (2 versions) for a whole sale agent to handle customer orders, customers and items and take reports. Web System has server and client side to run the application.

- Technology Stack** : Java 8, Java FX, Java EE, Hibernate, JPA, Spring, Spring boot, HTML, CSS, JavaScript, Bootstrap, JQuery, MySQL, Maven, Git
- Architectures** : Layered, Client-server
- Role Played** : Gathering requirements, developing and testing.
- Duration** : 11/2019 - 01/2020 (2 Months)

### SMART ELEPHANT SECURITY SYSTEM

This group project has been developed into a web application and embedded system. Tracking elephant behaviors(locations), alerting villagers by the alarming system on an invasion of elephants and predict future behaviors of the elephants with deep learning are the main functions of the system.

- Technology Stack** : HTML, CSS, Bootstrap, PHP, Python, MySQL, Arduino
- Architectures & Algorithms** : Decision trees learning
- Role Played** : Lead the team, Gathering requirements, developing web application and built deep learning model, testing and documentation.
- Duration** : 03/2018 - 03/2019 (One year)

### CINEMA TICKET RESERVATION SYSTEM

This is a standalone desktop system can book cinema tickets using multiple screens at cinema at the same time without any interruptions on the selecting and booking the seats. Also users can view the upcoming movies.

- Technology Stack** : Java 7
- Architectures & Technologies** : RMI
- Role Played** : Gathering requirements, developing and testing
- Duration** : 03/2015 - 05/2015 (2 months)

### TEA FACTORY MANAGEMENT SYSTEM

A standalone desktop application developed for a medium size tea factory. System provides users to manage stocks, orders, customers and take multiple reports. There are two types of users can access the system with different logging levels.

- Technology Stack** : Java 7, MySQL, Jasper Reports
- Architectures** : MVC
- Role Played** : Gathering requirements, developing, testing and deployment
- Duration** : 08/2014 - 10/2014 (3 months)

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

Java  
JavaScript  
TypeScript  
HTML5  
SQL  
SpEL  
C  
Python

### DATABASE

MySQL

### TECHNOLOGIES & TECHNIQUES

Java EE  
CSS3  
Node.js  
AJAX  
JSON  
Maven  
Spring Boot

### FRAMEWORKS

Hibernate  
Spring  
Express  
Bootstrap  
jQuery  
Angular 6

### ARCHITECTURES

MVC  
Layered  
Client Server

### VERSION CONTROL TOOLS

Github

### DESIGN PATTERNS

Singleton  
Strategy  
Facade  
Factory  
DAO  
DTO

### TOOLS

IntelliJ IDEA  
Postman  
VS Code  
FX Scene Builder  
Jasper Studio  
Netbeans

### Operating Systems

Linux  
Windows

## NON-TECHNICAL SKILLS

- Leadership
- Team Working
- Good Communication
- Self Learning
- Adaptability

## EDUCATION

### B.SC (GENERAL) DEGREE IN APPLIED SCIENCES

**Rajarata University of Sri Lanka (2016-2019)**

Successfully completed | Physical Sciences | Computer Science and Mathematics

### BRITISH COMPUTER SOCIETY HEQ (HIGHER EDUCATION QUALIFICATION)

**British Computer Society (BCS) (2016-2017)**

Successfully completed BSC Level 4 - Certificate in IT

### COMPREHENSIVE MASTER JAVA DEVELOPER

**Institute of Java and Software Engineering (IJSE) (2014-2016)**

Successfully completed Diploma in Software Engineering

### G.C.E. ADVANCED LEVEL

**Taxila Central College, Horana (2004-2012)**

Physical Science | Combined Mathematics, Physics, Chemistry

## INTERESTS

- Modern Mobile Technologies
- Artificial Intelligence
- Internet of Things
- Cricket
- Travel

## EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

### Treasurer

IEEE Student Branch of Rajarata University of Sri Lanka (2018-2020)

### Member

Institute of Electrical and Electronics Engineers (IEEE) (2016-2020)

### Member

British Computer Society (BCS) (2016-2020)

## REFREES

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