

# Keshon Karishan Jerom Prathaban

BSc (Hons) Software Engineering

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## CAREER OBJECTIVE

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A software engineering graduate who is seeking to find a Software Developer position in a fast-growing organisation to utilise expertise in software development I am looking to kickstart my career in (software Development). I wish to work in a dynamic organisation that will contribute to my professional and personal growth while I contribute to the growth of the company as well as engage in opportunities to further the company's goals.

## WORK EXPERIENCE

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### Software Engineering Intern Affiniti Innovations (Pvt) Ltd

Nov 2021 - May 2022

- Collaborate within an Agile team structure where they will assist with developing code using such technologies as Java, Spring and JavaScript.
- Have worked with web debugging tools (Chrome Developer Console).
- Familiar with one or more DBMS (MySQL, PostgreSQL and MongoDB)
- Collaborated with product managers, testers and developers to improve the process.
- Investigated and resolved application issues for web-based programs that provide end-user support.
- Projects: Dialog Telco and Dialog Finance projects.

### Associate Software Engineer Francis Enterprises (Pvt) Ltd

Oct 2019 - Oct 2021

- Developed a Windows-based POS System using C# that allows the user to perform multiple tasks according to the demands of the business.
- The system allows the user to generate sales reports, print Bills, and Stock autofill orders.
- Designed Database to Store data persistently in Microsoft SQL Server.
- Created separate tables/ Classes for DB connection, Data retrieving, and Data registers.
- Utilised: C#, SQL Management Studio, RDLC Report, Bunifu (UI designing).
- Configure and install various devices (printers, cameras, routers and switches).

## EDUCATION

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### Cardiff Metropolitan University

Nov 2018 - Nov 2019

Bachelor of Science with Honours in Software Engineering, **First class**

### International College of Business and Technology

Jun 2017 - Nov 2018

Higher National Diploma in Computing and Software Engineering

## **SOFTWARE PROJECTS**

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### **Smart Water Irrigation System**

**2019**

- This system helps farmers to water plants based on their soil moisture levels.
- If the soil moisture level is below 50% then the motor starts watering the plant until it gets the moisture level to 90% and then the motor automatically switches off.
- The system is developed through the NodeMCU ESP8266 board and other required sensors.
- SENSORS: Soil moisture sensor, Temperature and Humidity sensor, Pressure sensor, Raindrop sensor, LCD display
- Data is saved in the online database (Firebase) through a WiFi connection.
- Web application is created to monitor the system activity. Any authenticated user can easily log in to the system and monitor the activity of the water irrigation of the farm.
- This system provides an efficient way of irrigating plants automatically without any human intervention
- Utilised: HTML, CSS, JavaScript, Arduino IDE with C, Firebase

### **Biometric (Fingerprint) based ATM System**

**2018**

- Developed windows based ATM System using C# that allows the user to perform ATM activities according to the user needs through fingerprint scanning.
- Here the system allows the user to perform a withdrawal, check balance transfers, profile checks and requests.
- System was also developed for the banking side to store the user's fingerprint information.
- Designed Database to Store data persistently in Microsoft SQL server
- created separate tables/ Classes for, DB connection, Data retrieving and data Registering
- Utilised: C#, SQL Management Studio, Bunifu (UI designing), Arduino for fingerprint sensor development

### **Food Ordering App for Restaurant**

**2018**

- Developed Android base Food Ordering App using Java that allows users to perform multiple tasks based on the demands of the business.
- System allows management to add products and update its details. And allows placing order details.
- The system allows the user to register their details, place an order, and view the product details.
- Designed Database to Store data persistently in SQLite
- Created separate tables/ Classes for, DB connection, Data retrieving and data Registering
- Utilised: Java, SQLite

## RESEARCH

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**Smart Water Irrigation System for farmers in Sri Lanka.**

**2019**

Annual International Research Symposium 2019 [ISSN 2659-2061]

## SKILLS

### Technical

- Programming (C#, Python3, Java, PHP, HTML5, CSS3, Javascript, React, SQL, NoSQL)
- Good understanding of databases like SQL management studio, pgAdmin, MySQL workbench and Firebase

### Personal

- Written and verbal communication skills in English, Tamil and Sinhala.
- Highly organised and efficient.
- Ability to work independently or as part of a team.
- Proven leadership skills and ability to motivate.

## REFERENCES

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Mr Chandru Sandrasekaran  
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ICBT Campus  
SriLanka.

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