

Hariharan Kanakaraja

Software Engineer

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

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Laying a sound foundation to an inspiring and rewarding career in future, experienced in multiple Platforms, technologies, while being committed for the personal growth as well as for the advancement and development of other individuals and the organization.

Experience

2017-12 to Present

Software Engineer

Effective Solutions pvt Ltd

- **NOKIA FTTH PLPM (Fiber Network Planning and Management Tool)**
Consists of planning, installation and review management capabilities. Also It contains mobile app for the installation management.
Technology Used : Symfony 4.2 (PHP) | MySQL | Python | JQuery | Open Map (Street Map) | Front-end Scripting | Digital Ocean Cloud Platform
Mobile App : Android Studio (JAVA)
- **SIOT Platform (Front-end & Back-end)**
IoT Platform provider for large scale to small companies. It consists of configurable projects and dashboards with user configurable widgets. Also the end user dashboards with web and mobile access.
Technology Used : Node Js | Angular 6 | MySQL | Mongo DB | Python 3 | EMQ 2 | JWT | REST API | AWS
Mobile App : Android Studio (JAVA)
- **CMS (Camera Monitoring System - RDA) & CMS Proxy Server.**
Smart Camera Live Feed monitoring, Vehicle track and Traffic analyzing system with back-end control and Camera installation monitoring and management.
Technology Used : Node Js | MySQL | Mongo DB | Python 2 | Open Map
Mobile App : Ionic 3 (Cross-Platform)
- **KANDOS Sales Management System and Sales Representative Application**
It Consist of Role based hierarchical Management and Mobile Application For Sales Representatives. It also consists of Sales person Live GPS Tracking and Path assigning system.
Technology Used : Node Js | MySQL | Open Map.
Mobile App : Android Studio (JAVA)
- **Routeradar.lk - GPS Device Data Receiver.**
GPS devices receiver and data decoder application
Technology Used : Node JS | Symfony 2.8 (PHP) | Mongo DB | REST API
- **POS & CMS**
Technology Used : Express (Node Js) | MySQL | REST API | Front-end Scripting | AWS
- **MCQ.LK**
Online Learning Application
Technology Used : Symfony 2.8, MySQL, Mongo DB and Digital Ocean Cloud Platform
- **Network Printer**
Browser based Network printing application (WEB-Printer). Its a Desktop Application.
Technology Used : DOT NET C# WPF.
- **lassana.com**
lassanaflora.com re design. (UI Development)
Technology Used : Symfony 4.2 | Node JS | Front-end scripting | LESS
- **MYSL (mysoftlogic.lk)**
Mobile UI Development
Technology Used : Symfony 4.2 | Node JS | Front-end scripting | LESS

2016-12 to 2017-04

Software Engineer (Intern)

Effective Solutions pvt Ltd (University Industrial Training - 2nd Term)

- **C+GROWTH**
Baby Growth monitoring system
Technology Used : Symfony 2.8 (PHP) | MySQL | Front-end Scripting
Mobile App : Inonic 2
- **N+CARE**
Patient Monitoring System for Nurses
Technology Used : Symfony 2.8 (PHP) | MySQL | Front-end Scripting.
Mobile App : Inonic 2

2015-12 to 2016-04

Software Engineer (Intern)

Effective Solutions pvt Ltd (University Industrial Training - 1st Term)

- **RouteRadar.lk - CTS**
Continuous Mobile User Tracking System
Technology Used : Symfony 2.8 (PHP) | Mongo DB | Front-end Scripting | Dialog IDEAMART APIs | Ez-Cash API | CIA security concepts.

2014-02 to 2017-11

Undergraduate Projects

Faculty of Engineering, University of Ruhuna.

- **GREEN IOT (CENTRALIZED IOT PLATFORM FOR SMART HOME NETWORK)**
Final Year Undergraduate Project. This project proposed by SLT Srilanka. Fully functional multi-protocol IoT Centralized application for smart home networks. Project contains both server side and End-user application which have web and mobile application also.
Technology Used : Symfony 2.8 (PHP) | MySQL | Node JS | Mosca | Mongo DB | Python | Front-end Scripting.
Mobile App : Ionic 2
- **Fire Service Auto Detecting System**
Undergraduate Project. Fire Detection and auto information transfer to the fire services and track.
Technology Used : **Green IOT (Final Year Project) | Node JS | Google MAP API | Raspberry pi 3**
- **DUDES CNS (COLLAGE SOCIAL NETWORK)**
Fully Functional Collage Social Network with real time chat facility.
Technology Used : Symfony 2.8 | C# | MySQL | MongoDB | Firebase
- **HACK-LOG (Android Application)**
Hack Log is android application for some fun hacking based application. This application was consists some automatic calling and sms without logging and user knowledge. Using sms codes it functions are worked. I developed this app for IEEE a pp contest 2015, which was held in University of Ruhuna, Faculty of Engineering.
Technology Used : Android Studio | eclipse ADT Bundle
- **DOOR SECURITY SYSTEM (EMBEDDED PROJECT)**
Door security system with user notification android Application with GSM SMS code control
Technology Used : Eclipse ADT Bundle | Arduino

TECHNICAL SKILLS

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| <ul style="list-style-type: none">• Programming Languages<ul style="list-style-type: none">• C#,• PHP• Python• JAVA• GO• Scripts (JS, JQuery)• Markup (HTML,XAML,CSS, LESS) | <ul style="list-style-type: none">• Frameworks & Tech<ul style="list-style-type: none">• Symfony• ASP.NET MVC• Node JS & Express• OAuth2• Android Studio• Angular 6• Ionic• REST• Xamarin | <ul style="list-style-type: none">• Database<ul style="list-style-type: none">• Relational Databases (MYSQL, ORACLE, MSSQL),• Non Relational Database (Mongo DB , Redis)• WEB Services• Computer Vision and Image Processing• Mechine Learning• Graphic Design<ul style="list-style-type: none">• Solid Works, 3D MAX, Photoshop |
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Research

Centralized Smart Home Network with Smart City and Security Implementation using Image Processing and Machine Learning (IoT)

Education

- **B.Sc Eng (Hons - Second Class Upper Division) in Electrical and Information Engineering, University of Ruhuna**
- Carmel Fatima Collage National School, Kalmunai (2008-2012),
- Swamy Vipulanandar Vidyalayam (1999-2007)

Profile

- Associate Member IESL
- Member IAENG
- Batch Representative (Electronic Circle Faculty of Engineering, University of Ruhuna)
- Leadership (2007 – 2008 Head Prefect)

Achievements

- IEEE Xtreme 9.0 - 2015
- IEEE Xtreme 10.0 - 2016
- IEEE App Contest 2015
- Hackarank CodeStorm 2015

Interests

- Image Processing
- Networking, IoT, Machine Learning, Embedded Systems
- Blog Writing, Photography

Personal Info

- Address : No 77, Vipulanandar Road, Natpiddimunai -02, Kalmunai, Srilanka.
- Date of Birth : 21 JUL 1993

Languages

- Tamil
- English
- Sinhala

Reference

Available On Request