

# Sankalpana Karunarathna

Senior Full Stack  
Developer - PHP/JS

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[Sankalpana Karunarathna | LinkedIn](#)

[Sankalpana Karunarathna | Dribbble](#)

[mavensank.com](https://mavensank.com) (Personal blog )

<https://github.com/sankalpana>

<https://bitbucket.org/sankalpana/>

<https://github.com/mavensank>

<https://bitbucket.org/mavensank/>

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## Profile in brief

A senior full stack engineer with 10+ years of software & web application development experience mainly focused on PHP, Javascript/TS and Python.

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## Areas of Expertise

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### Programming languages

- PHP, Javascript, Typescript, Python

### PHP Frameworks

- Laravel Framework, Codeigniter Framework

### Javascript Frameworks

- Vue, React, React Native, [Gatsbyjs](#), [Alpinejs](#), [inertiajs](#)

### Hybrid app frameworks

- Cordova, Framework7, Ionic

### Java Frameworks

- Spring boot

### Javascript

- Vanilla Js, ES6, TypeScript

### CMS

- Wordpress, Drupal, Joomla

### Techs

Docker, Git,  
MySQL, MongoDB, Redis

CSS, Bootstrap, [Materialize](#), [Tailwind](#)

Webpack, Vite, Parceljs

Wordpress, Joomla

Linux Server,Ubuntu

Google webmaster tools,Google analytics, Google tag manager

Photoshop

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## Experience

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**Codeone-X**, March 2023 - Present

Lead developer

Manage internal team -

Jobfactory PHP codeigniter website

Verifieze VueJS customer portal application

Development/SEO 6 company wordpress websites. 2 outside wordpress websites. 1 SEO project.

<https://codeone-x.com/>

Senior Full stack Developer/Tech Lead, benching for IT Staff Augmentation projects of CodeOne-X ,a brand owned by JFS Holdings Limited

- <https://ifsholdings.com/> Design and development - Solo project

Company website was designed in figma and developed using custom wordpress theme. [Pods](#) plugin was used heavily to manage staff, vacancies, news and other custom data types.

- <https://codeone-x.com/> Revamp existing the website - Team project

Website theme color and design was updated to a dark theme. New vacancies section added.

- [JobFactory](#) - Team project. Revamp existing php web application developed in codeigniter As a Applicant tracking system.

- <https://verifieze.com/> - VueJS customer portal for background verification reports.

-AGMS Hotel management system- Team project - Simple room management system for the hotel owned by the company  
Techstach: codeigniter, AlpineJS

**Accura-Tech Accurate Technologies** , March 2021 - March 2023

SSE

[www.accura-tech.com](http://www.accura-tech.com)

Senior Software Engineer Since March 2021

- <https://www.popchoir.com> Membership website in Laravel

Membership website in laravel and bootstrap css using custom payment

Upgrade from laravel 8 to 9

<https://veterans-aid.net/> website in wordpress and backend membership management application in laravel

- Created backend membership management app in laravel previously developed in another php framework.

- <https://englishfocus.com/> React & Drupal web application

Online English course website. Using drupal [opigno](#) framework as back end and Reactjs for frontend. Used material ui for styling.

- <https://www.slsc.org.uk/> Vuejs & Laravel web application

South London Swimming Club website Revamp. Vuejs with wordpress apis.

- <https://forward.com/>

Maintenance of magazine website developed in [SymphonyCMS](#)

100K articles.

- <https://leavingcertplus.ie/> Vuejs & Laravel web application - **Inertiajs**

Online exam and learning platform for Ireland students. Developed in Laravel inertiajs, Vue and Vuetify framework for UI.

- Custom wordpress theme development

Using ACF and bootstrap as base.

- <https://home-startessex.org.uk/>,
- <https://www.flinthouse.co.uk/>,
- <https://www.greenelement.co.uk/>

**Villvay Systems (Pvt) Ltd**, 2 years

SSE

<https://villvay.com/>

Software Engineer March 2019 - March 2021

- [amberen.com](#) [ October 2020 - March 2021 ]

- Core PHP ecommerce website

- Order process with [cybersource](#) payment processing system
- Sync data with [netsuite](#) for customer data analysis
- Cron jobs to daily,weekly email notifications and sync with netsuite

- [Gudppl.com](#) [ April 2020 - October 2020 ]

- Backend microservices in Java

- Used Java - spring boot, graphql, mongo db, docker, kubernetes technologies/framework with microservices
- Worked on gudppl backend microservices using spring boot framework - Java
- Managed microservices deployments on AWS

- [Actualconversion.com](#) [ November 2019 - April 2020 ]

- Data visualization front end in typescript - vuejs.

- Used typescript, vuejs, css3 for frontend developments

- [Komunity.io](#) [ March 2019 - November 2019 ]

- Networking platform in PHP - Laravel

- Used Laravel, bootstrap, css, Elastic search for developments
- Optimized legacy codes for performance.
- Introduced GIT process to streamline release and avoid regression issues.

- [Execflt.com](#) [ December 2019 ]

- Simple data management system in PHP - Laravel

- Used Laravel, bootstrap, css, vuejs for developments

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### **Tryonics (Pvt) Ltd , 5+ years**

Associate Software Engineer / July 2012 - December 2016

Software Engineer December 2016 - March 2019

- Successfully worked on more than 20+ projects throughout the whole process from requirement gathering, System design & development and deployment on servers.

- Act as QA and Production server admin ( Linux based servers )

- Worked on more than 30+ PHP applications Using Codeigniter Framework with other developers

- Designed more than 10+ CMS websites that use Wordpress/Joomla

- Worked on 3+ Laravel Application projects

- Worked on 2+ Android projects

- Worked on 1 Java EE application projects

- Analyzed and designed the database model for 30+ web applications using MySQL and MSSQL

- Designed system UI for projects using Bootstrap, JQuery UI, JQuery Mobile and Framework7

-Managed projects using GIT

### **Dyuro Technologies / Freelance developer**

Performed multifaceted role as a technology officer and main system developer for Campaign Buddy, a process automation system for precise marketing activations. Campaign Buddy is currently being used by several international brands, including Unilever partnered with Geometry Global (a WPP company) in Sri Lanka

- Worked as an external IT consultant and software service provider for Geometry Global, implementing several mobile and web applications for their marketing campaigns.

Further to product development responsibilities,

- Designed and implemented SQL database model using MySQL
- Designed, implemented back end system using Codeigniter framework and Bootstrap
- Designed, implemented and documented REST API for mobile application using PHP slim framework
- Worked with Mobile application developer on developing mobile client using Cordova framework
- Deployed.Managed Web server and Database
- Worked on comprehensive reporting queries

### **Genius Soft / Software developer**

August 2009 - July 2012

- Worked on 2 Java swing application projects ( [Thoga kade](#) & [Chemist](#))
- Analyzed and designed the database models using MySQL
- Designed and developed reports using JasperReports

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## **Projects**

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### **JFSHoldings website**

2023 @codeone-x

Company website - custom wordpress development

Tech stack : PHP,CSS,JS,wordpress, pods plugin.

### **Jobfactory**

2023 @codeone-x - team project

Updated existing job listing website to ATL ( Applicant tracking system )

Tech stack : PHP,CSS,JS,Alpinejs,Codeigniter

### **AGMS**

2022 @codeone-x - team project

Hotel room management system in PHP

Tech stack : PHP,CSS,JS,Alpinejs,Codeigniter

### **Englishfocus**

2022 @accura

Reactjs web application , Backend in drupal opigno framework

Tech stack : PHP,CSS,JS,React,Drupal,

### **Forward**

2021 @accura

Symphonycms PHP framework

Tech stack : PHP,CSS,JS,XML Linux cron jobs

### **Amberen website**

2020 @villvay

Maintained core php system.

Tech stack : PHP,CSS,JS, Linux cron jobs

### **Gudppl backend**

2020 @villvay

Worked on gudppl backend microservices using spring boot framework

Tech stack : Java , Docker

### **Actual conversion portal / [app.actualconversion.com](http://app.actualconversion.com)**

2020 @villvay

Worked on the Dashboard page that shows overview of facebook,google,mailchimp and other engagement data using [apache echarts](#) and vuejs.

Tech stack : Vuejs , Typescript

### **Executive Fleet Leasing portal / [admin.execflt.com](http://admin.execflt.com)**

2020 @villvay

Exfleet user portal developed using Laravel and Vuejs. Vuejs components are used inside laravel blade views. Components get data from the laravel api which is hosted on the same server.

Tech stack : Laravel, Vuejs, Bootstrap

### **Komunity.io / [komunity.io](http://komunity.io)**

2019 @villvay

komunity.io is a social network for professional people helps to share skills between people and companies

- Worked on Elastic search functionalities that enables users to search and

filter users

- Worked on user listing laravel views enables search and filter users.
- Optimized slow laravel php codes , DB queries to reduce api response time 90% ( 10s to 2s )

### **Campaign Buddy System / [campaignbuddy.biz](http://campaignbuddy.biz)**

2018 @Dyuro

[ Developed both backend and mobile app as a freelance project for Dyuro.]

Campaignbuddy is a SaaS system used by several beauty product brands to manage promotions. System enables sales promoters to update their on location sales directly and enables brand managers to summarize and verify their daily performance.

Tech stack :

Backend : Codeigniter, Bootstrap, Mysql

Backend API : Slim php framework

Mobile app version 1 : Cordova, Framework 7

Mobile app version 2 : React native

### **Child and women bureau Sri Lanka / Inquiry data management system / [CWB System](#)**

2016 @tryonics

CWB System collects island wide data related to Child & Women related offences in Sri lanka. Data is collected from police stations and fetched to the system by the appointed officers in every district. Data is analysed by the system provides various charts and reports.

Tech stack : Codeigniter, Jquery, Bootstrap, MySQL, ChartsJs

From Sri Lanka Police website ( [link](#) ):

“CWB Data Analysis System” which was implemented at Children and Women Bureau of Sri Lanka Police won the Bronze award under the Government and Public sector applications category at the 19th National Best Software Quality Awards (NBQSA) 2017

### **Jobfactory Job Portal / [www.jobfactory.lk](http://www.jobfactory.lk)**

2015 @tryonics

Codeigniter based Job listing and evaluation web application. System has 3 main roles. Jobseeker, evaluator and corporate user . Corporate users post jobs to be viewed by Jobseekers. After jobseekers applied

they are evaluated automatically by the system depending on their profile. Evaluators can verify and manually add more info to be viewed by corporate users.

Tech stack : Codeigniter,Jquery,Bootstrap,MySQL

### **Procurement System / AIA Insurance**

2017 @tryonics

- Staff members places a procurement requests
- System handles procurement approval hierarchy / Get approval for procurement request.
- Facility to handle budget reservations,
- Facility to compare vendor quotations,
- Select and assign vendors,
- Handle finance department approvals and make budget releases,
- Upload goods received note
- Add procurement items to inventory after delivery

Tech stack : Codeigniter,Jquery,Bootstrap,MySQL

### **Smart Assessor - Backend / Hatton national bank**

2018 @tryonics

Laravel system and api for mobile application. Assessor mobile app designed to get accident photos, related documents proofs and customer details. Once the assessor captured all the data. Mobile app sends media and data through the REST API. Backend provides a viewing facility to the staff at HNB head office.

Assessors can be assigned to branches using backend devices that are authenticated on initial login.

Tech stack : Laravel,Datatables,Google maps Api, REST

### **Customer feedback system / Hatton national bank**

2018 @tryonics

Laravel system and api for mobile application runs on android tablet. Customers rate departments/cashiers after service. System Includes device assignment to branches and manage regions/branches.

Tech stack : Laravel,Datatables,Google maps Api, REST, Vuejs

### **Internal workflow system / Tryonics**

2018 @tryonics



Laravel system to manage customer details,proposals generation, invoice generation

Tech stack : Laravel,Datatables,Google maps Api, REST, Vuejs

**Mediation session data collecting application** / Mediation Board Sri Lanka

2014@tryonics

Multilingual ( Sinhala , English and Tamil ) Native android mobile application to be used by all mediation board heads around Sri Lanka to send weekly disputes data to the Mediation board commission.

Tech stack : Java, Android, xml

**Lalanengineering website** / [lalanengineering.com](http://lalanengineering.com)

**W.Thomas & Sons website** / [wthomasandsons.com](http://wthomasandsons.com)

**Getmed.lk** / <https://getmed.lk/>

2013

- Wordpress websites

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## Education

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**BCS, The Chartered Institute for IT** / Professional Graduate Diploma in IT

2012-2013

**Java institute Sri Lanka** / PCJT Certification in Java application development

2010-2011

**Turnkey IT Training** / Windows Network Administration ( win 2008/win 2003 Servers)

2011

**UCSC ,Colombo university** / Foundation Of Information Technology

2010

**Taxilla Central College**

2009 - AL

