

# NUWAN PRABHATH SAMARASINGHE



"Want to be a part of company where I can exercise, improve my knowledge and every skill possess"

"Expect to be succeed in an environment of growth and excellence which provides self-development"



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## BIRTHDAY

24<sup>th</sup>, January 1992



## ADDRESS

1201 S. McClintock Drive,  
Tempe, AZ,  
USA. (85281)

## EMPLOYMENT

A **Full Stack Software Engineer** with **6+** years of industry experience who shows recommended expertise in building and maintaining **REST/SOAP Web services** and **Client Applications** in **large scale** distributed enterprise software services (**SaaS**). Experience in Travel domain systems, Ferry booking, Hotel booking, H2H systems, flight booking domains, Finance system integration, Costing system integration, Learning platform integration, and etc.

### CODEGEN

### CURRENTLY WORK (*Since 2018 Oct*)

Working as Full Stack Associate Technical Team Lead at CodeGen International Pvt Ltd, Sri Lanka.

#### Associate Technical Team Lead (*Jan 2023 - Present*)

Full Stack Associate Technical Team Lead specializing in technologies such as Java, Java Spring framework (Core, MVC, Boot, Security), JPA/Hibernate, Angular 4+, Java Swing, AWS, REST/SOAP Web services, SOA, Oracle, MySQL, Apache, ActiveMQ, HTML, CSS, Typescript, JavaScript, MySQL, Oracle, JUnit, Maven, Docker, Kubernetes, CICD, JENKINS, GitLab, XML, Swagger, Groovy, SonarQube, Your Kit, VisualVM, JProfiler, JMeter, EC2, RDS, ELB, ELK, KQL, Eclipse memory Analyser, JWT, Log4j, Jasper Reports, BIRT Reports, ActiveMQ, Linux, UNIX, Windows, Akamai, IntelliJ IDEA, WebStorm IDEA, Postman, Agile, Scrum, JIRA, Grafana, Prometheus, draw.io, JWT, and etc.

**Projects** | See the **Professionalism** section for more information.

- Holidays by Flydubai Tour Operator Management System
- TravelBox Platform

#### Senior Software Engineer (*Feb 2021 - Jan 2023*)

Full Stack Senior Software Engineer specializing in technologies such as Java, Java framework Spring (Core, MVC, Boot) JPA/Hibernate, Angular 4+, Java Swing, AWS, REST/SOAP Web services, SOA, Oracle, MySQL, Apache, ActiveMQ, ELK, etc.

**Projects** | See the **Professionalism** section for more information.

- Holidays by Flydubai Tour Operator Management System / Clipper Vacations Tour Operator Management System / TravelBox Platform

#### Software Engineer/Software Project Lead (*Oct 2018 - Jan 2021*)

Full Stack Software Engineer and Software Project Lead (In Clipper Vacation Tour Operator Management System) specializing in technologies such as Java, Java framework Spring (Core, MVC, Boot, Security) JPA/Hibernate, Angular 4+, Thymeleaf, HTML, CSS, JavaScript, JQuery, Java Swing, AWS, REST/SOAP Services, SOA, Oracle, MySQL, and etc.

**Projects** | See the **Professionalism** section for more information.

- Clipper Vacations Tour Operator Management System / Leisure Emirates Destination Management System / TravelBox Platform

### THEEKSHANA - UCSC SDU

### 2 YEARS including internship (6 months) (*2016 Sep - 2018 Oct*)

Worked as a Software Engineer in the Software Development Unit at University of Colombo School of Computing, SL.

#### Software Engineer (*Mar 2017 - Oct 2018*)

Full Stack Software Engineer specializing in technologies such as Java, Servlet, JSP, JSTL, Java EE, Spring, Spring Boot, JPA/Hibernate, JavaScript, Ajax, HTML, CSS, Android, MySQL, Quick Book, REST Web services, Apache Tomcat etc.

**Projects** | See the **Professionalism** section for more information.

- NETCODE / CDCE / SpiceLanka

### **Trainee Software Engineer** *(Sep 2016 - Feb 2017)*

Full Stack Trainee Software Engineer at the THEEKSHANA Software Development Unit which is managed by the University of Colombo School of Computing, Sri Lanka, specializing in technologies such as Java, Servlet, Jsp, Java EE, JPA/Hibernate, JavaScript, Ajax, HTML, CSS, Android, MySQL, PostgreSQL, and etc.

**Projects** | See the **Professionalism** section for more information.

- Survey Department / CDCE

### **MAS HOLDINGS**

**8 MONTHS (2013 May - 2013 Dec)**

Worked as a lab assistant at MAS Holdings Casualline at Mawathagama, Sri Lanka.

Checked different kind of fabric color shading | Created various Trim Cards | Inspected lack of fabric roles

## **PROJECT EXPERIENCE**

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### **HOLIDAYS BY FLYDUBAI TOUR OPERATOR MANAGEMENT SYSTEM – Ongoing with maintaining**

Implementation of UAE based Holidays by Flydubai Tour operator system based on TravelBox as the backend platform and Angular frontend which has a B2B (Business to business) travel portal and B2C (Business to consumer) travel portal consisting of single sign-on login (SSO), flight H2H, hotel H2H, finance accounts/ledger generation module, payment gateway and document/report generation module etc. as a full stack developer.

Involved in design and development/modification of Hotel H2H [Expedia/HotelBeds-APItude], Flight H2H [Radixx], New payment gateway integration, Single Sign On login (SSO), document/report/tickets/voucher generation, Large scale oracle query for report generation, Finance system integration to the system.

I am in charge of delivering project success for this.

My main responsibilities are,

- Communicate with the client and plan project sprints.
- Feasibility Study/Write Solution Documents with diagrams.
- Load/Performance testing.
- Plan solutions and development.
- Guide fellow team members.
- Manage a team of more than 10 members.
- Also, I was given the authority to accept merge requests.
- Had to analyze the code commits of more than 10 members daily.

[Technologies used: Java | Spring Boot | Hibernate | JPA | Angular | HTML | CSS | Typescript | JavaScript | MySQL | Oracle | JUnit | REST | SOAP | Maven | Docker | Kubernetes | CICD | JENKINS | GitLab | XML | Swagger | Groovy | SonarQube | Your Kit | VisualVm | jprofiler | JMeter | Mokoon | EC2 | RDS | ELB | ELK | Eclipse memory Analyser | JWT | Log4j | Jasper Reports | BIRT Reports | ActiveMQ | Linux | UNIX | Windows | Akamai | IntelliJ IDEA | WebStorm | IDEA | Postman | Agile | Scrum | JIRA | Grafana | Prometheus]

### **TRAVELBOX PLATFORM– Ongoing with maintaining**

TravelBox is a travel and tour management platform, Modular, Service Oriented Architecture (SOA) based on Web Services which orchestrates various business processes in providing its full functionalities. The loosely coupled nature of the SOA allows TravelBox to be configured and scaled easily to accommodate the expected growth of the client's business. TravelBox is implemented with REST, SOAP, Java Swing client, Spring, Spring Boot, Spring Security, Hibernate, JPA, JWT, Log4j, Maven, Jasper Reports, BIRT Reports, HTML, XML, and CSS.

### **CLIPPER VACATIONS TOUR OPERATOR MANAGEMENT SYSTEM – Ongoing with maintaining**

Implementation of US based Clipper Vacations Tour operator system based on TravelBox as the backend platform and Thymeleaf frontend which has B2C (Business to consumer) travel portal. This is a responsive website based on Spring Framework, Thymeleaf, HTML, CSS, Bootstrap, and JQuery.

This web application can handle search and book dynamic packages (Hotels/Ferries/Tours/Activities) and add or send gift cards. It has the capability of handling payments via credit cards or gift cards.

Involved in design and development/modification Integrate the new Seat Selection API (TIM) for Clipper Vacations new booking engine flow TIM API has a visual seat selection canvas to embed into the booking engine flow and API to communicate with the booking inventory in the background, B2C (Business to consumer) travel portal revamp, Large scale oracle query for report generation, scheduler job for credit card data sanitization and auto seating for TIM API, payment gateway, gift cards, Single Sign On login (SSO), document/report/voucher/boarding pass generation as a full stack developer.

I was in charge of delivering project success for this.

My main responsibilities were,

- Communicate with the client and plan project sprints
- Write Solution Documents
- Effort Estimation
- Design and Integrate new API
- Design UI/UX for web revamp
- Load/Performance Testing
- Guide fellow team members
- Managed a team of 3 members
- Also, I was given the authority to accept merge requests by analyzing the code commits.

[Technologies used: Java | Spring | Spring Boot | Spring Security | Hibernate | JPA | Thymeleaf | HTML | CSS | JQuery | Oracle | JUnit | REST | SOAP | XML | Ant | Maven | Docker | CICD | JENKINS | GitLab | SonarQube | Your Kit | Visualvm | jprofiler | JMeter | Eclipse memory Analyser | JWT | Log4j | Jasper Reports | Linux | Windows | IntelliJ IDEA | WebStorm IDEA | Postman | Agile | Scrum | JIRA]

### **LEISURE EMIRATES DESTINATION MANAGEMENT**

Implementation of UAE based Leisure Emirates Destination Management System based on TravelBox as the backend platform and Joomla frontend which has a B2B (Business to business) travel portal consisting of single sign-on login (SSO), flight H2H, hotel H2H, Tour Management, finance accounts/ledger generation module, payment gateway and document/report/ticket/voucher generation module, etc. as a full stack developer.

Involved in design and development/modification of Add Map to Tour ticket/voucher, single sign-on login (SSO) functionality update by adding password expire/reset, large scale oracle query for report generation, and Finance system issue handling using tax and ledger details. Content download scheduler job update using Amazon S3 bucket.

[Technologies used: Java | Spring | Hibernate | JPA | Joomla | HTML | CSS | JQuery | Oracle | JUnit | REST | SOAP | Ant | Maven | Docker | CICD | JENKINS | Google Maps API | GitLab | SVN | SonarQube | JWT | Log4j | Jasper Reports | Linux | Windows | IntelliJ IDEA | WebStorm IDEA | Postman | Agile | Scrum | JIRA]

### **LANKA SPICE**

Internal processes, recipes, inventory management, and cost calculation system for the company of McCurrie (Pvt) Ltd. Whole system implemented by myself.

[Technologies used: Java | Java Swing | MySQL | Jasper Reports | JfreeCharts | Quick Book]

### **NETCODE TOOLKIT**

Implemented web systems and mobile application to find violation products for World Health Organization (WHO).

[Technologies used: Android | MySQL | PHP Web Service | Firebase]

### **CDCE - EXTERNAL DEGREE PROGRAMME OF UNIVERSITY OF PERADENIYA**

The Center for Distance and Continuing Education (CDCE) of University of Peradeniya.

(Whole system implemented by myself; Student portal and Admin portal)

- Online student registration: Receiving of Applications, handling of notifications to students, posting of the academic calendar, handling of different academic programs
- Scheduling of interviews, and tests for entry of students and management of Training institutes (External)
- Examinations and marks handling,
- Monitoring of Students until students are graduated
- Handling of All payments
- Handling of graduation and the management

[Technologies used: Java | JavaEE | Servlet | JSP | JSTL | Bootstrap | HTML | CSS | JavaScript | Ajax | MySQL | SpringBoot]

### **TENEMENT LIST ARRANGEMENTS SYSTEM FOR SURVEY DEPARTMENT (OCT 2016 - JAN 2017)**

Survey Department internal tenement list arrangements system.

(Implemented generate CSV file using jasper report | send request | search using tenement list id | edit/view last lot information)

[Technologies used: Java | Java EE | JSP | Bootstrap | CSS | JavaScript | Ajax | HTML | Servlet | Hibernate | JPA | MySQL | PostgreSQL]

### AUTOPARTS.LK

Autoparts.lk is the largest online marketplace in Sri Lanka and will find loads of great deals online. And also, can sell vehicle parts in autoparts.lk (implemented recent category list | search vehicle | add to cart)

[Languages/Technologies: Code igniter | Bootstrap | sass | PHP | HTML | CSS | JavaScript | Ajax | MySQL]

### THIRD EYE

Stock Management System for University of Colombo School of Computing. (3<sup>rd</sup> year group project)

(Implemented upload files | search and add place order | add edit member | Issue items | view usage using graph)

[Technologies used: Code igniter | Bootstrap | PHP | HTML | CSS | JavaScript | Ajax | JSON | MySQL]

### ADMINISTRATION SYSTEM AND WEB SITE FOR VIPASSANA MEDITATION CENTER

Developed an administrator system and web site for a Dhamma Sobha Vipassana Meditation Center in Kosgama, Sri Lanka. (2<sup>nd</sup> year group project)

(Implemented search/apply meditation courses | add/remove meditation course | comment box)

[Technologies used: Bootstrap | PHP | HTML | JavaScript | CSS | Ajax | MySQL]

## TECHNICAL SKILLS

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### EXPERIENCE IN

Java | Java EE | Spring Core | Spring MVC | Spring Boot | Spring Security | Oracle | MySQL | PostgreSQL | HTML | CSS | JavaScript | Ajax | Angular 4+ | SVN | GitHub | GitLab | CICD | Android | Apache Tomcat | Hibernate | JPA | JSP | JSTL | JQuery | Thymeleaf | JUnit | REST | SOAP | Ant | Maven | Docker | Google Maps API | SonarQube | Firebase | Your Kit | VisualVM | jprofiler | JMeter | Eclipse memory Analyser | Mokoona | Kubernetes | JENKINS | XML | Swagger | Groovy | EC2 | RDS | ELB | ELK | JWT | Log4j | Jasper Reports | BIRT Reports | ActiveMQ | Linux | UNIX | Windows | Akamai | IntelliJ IDEA | WebStorm IDEA | Postman | Agile | Scrum | JIRA | Grafana | Prometheus | React JS | Python | Jupyter | MongoDB

### WORK WITH

Java | C/C++/C# | PHP | HTML5 | JavaScript | Python | Racket | Arduino | Angular | React | Node | Express

### SOFTWARE AND TECHNOLOGIES

Methodologies	:	OOSAD (UML)   Agile Development   Scrum
Platforms	:	Windows   Linux   Android   IOS
Others	:	Net Beans   Visual Studio   Android Studio   CMS   IntelliJ   WebStorm   Joomla   SonarQube   JIRA   JENKINS   Postman   Draw.io   Anaconda   Pycharm   Anaconda

## EDUCATION

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### UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING, SRI LANKA

**Bachelor of Science in Computer Science** Graduated 2017  
**GPA 2.57**

### ST. ANNE'S COLLEGE KURUNEGALA, SRI LANKA

GCE Advanced Level 2012  
Chemistry **A** | Physics **B** | Combined Mathematics **B**

## LICENSES & CERTIFICATIONS

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Data Science Foundations – Great Learning (SEP-2023)  
MongoDB Java Developer Path – MongoDB (SEP-2023)  
Getting Started with AWS Certification Course – SimpliLearn (MAR-2023)  
Machine Learning Certification Course – SimpliLearn (SEP-2022)

## AWARDS & ACHIEVEMENTS

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### IEEE XTREME COMPETITION 2015

Participated in the 24-hour coding competition

### IEEE XTREME COMPETITION 2016

Participated in the 24-hour coding competition

## INTERESTS

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### FIELD RELATED

- Linux Shell Command
- Data Science (AI/ML), Microcontroller Programming and Robotics
- Operating Systems
- Data structures & Algorithms
- Adobe Photoshop | Adobe Illustrator | Adobe After Effect

### BLOGS

- mnpnuwan.blogspot.com – E-tutorials
- samarasingheblogs.wordpress.com – Computer Science Courses
- universalintense.com – Science Articles
- mnpsnuwan.github.io – Personal Portfolio

### OTHERS

- Swimming | Badminton | Billiard | Table Tennis | Chess | Carom
- Movies | Music
- Read/Write Tech Articles
- Hiking | Traveling

## EXTRA-CURRICULAR ACTIVITIES

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### UNIVERSITY

- UCSC Career Fair 2015 – Volunteer
- INFOTEL 2015 (in BMICH) - Volunteer
- UCSC IEEE Xtreme Competition 2014 - Organizing committee
- Student Member of IEEE (2015-2016)
- Active Member of the UCSC CompSoc
- Active Member of the UCSC exploration Club
- Active Member of the UCSC Shilpa Yathra

### SOCIETIES & OTHERS

- A Junior Prefect in Kahapathwala Kanitu Vidyalaya, Sri Lanka. (2005-2007)
- St. Anne's College, Sri Lanka Science Society Committee Member

