

Harsha Pathum Liyanarachchi

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Personal Statement

Seeking a position as a software engineer where I could utilize my software engineering skills and experiences gained through relevant education and projects, to the ongoing success of your company. At the same time I could learn under working professional to gain knowledge and improvement of my skills by giving the best input to your company.

Education

B.Sc. Special (Hons) – Information Technology
Specialization – Information Technology
Sri Lanka Institute of Information Technology
(SLIIT) GPA - 3.64 (4th Year 2nd Semester)
CGPA – 2.97

Graduated Date – 02nd Mar 2017

Successfully completed the certificate course in software Development in JAVA (Aug 2013)

GCE Advanced level 2012 (Biology – English Medium)
Biology - S, Physics – C, Chemistry – S

GCE Ordinary level 2009 (English Medium)
Overall passes 4As, 3Bs and 2Cs

Work Experience

Software Engineer – Ruby Developer
Pronto Woven – PSL Development
Colombo.

July 2017 – Present

Pronto Avenue is a single-platform Content Management System and Application Programming Interface suite that's fully compatible with Pronto Xi as well as with other Enterprise Resource Planning (ERP) systems. It helps to integrate ecommerce applications more efficiently with ERP System. Provides all e-Commerce features to the clients.

- Involvement of development and testing of the System as a core team member.
- Customization, issue handling, troubleshooting and debugging of the system.
- Actively participate on project scrum meetings with Australia, UK and India teams.

Used Technologies: Ruby on Rails, MySQL, JavaScript, JQuery, RSpec, SVN, JIRA, Agile (Scrum)
Tools: IBM Cast Iron
Platforms: Salesforce CRM

Software Engineer – Java (Remote)
yRavas Internationalss
Sydney, Australia.

Feb 2017 – June 2017

Projects: Shrewd Resilience, Shrewd Escalation

Client: Transforming Systems - UK – www.transformingsystems.co.uk

Shrewd Resilience is a single health early warning database which facilitates critical healthcare indicator information across the major hospitals in UK. This dashboard web application builds together with live urgent care intelligent, predictive analytics and bed management system. Shrews Escalation is a just-in-time framework for providers that re-organizes actions around the urgent Care process, rather than by organizational hierarchy. Escalation pushes alerts to pre-designated when pressure changes and tracks the response in real times.

- Performed requirement analysis and tasks estimation.
- Drew data models and performed forward engineering to create database, tables and required integrity constraints.
- Wrote backend and frontend code to develop web based applications.

Used Technologies: Java, spring 4.0, spring boot, MVC, JSP, MySQL, JavaScript, JavaMail, JDBC, JMS, JSTL, JQuery, Webservice (REST), JUnit, GIT, JIRA, Maven, Agile (Scrum)

Trainee – Java Developer
Virtusa Polaris Private Limited.

Feb 2015 – Feb 2016

752, Dr Danister De Silva Mawatha, Colombo 09

Akura School Management project – Trainee Software Engineer

Akura School Management is a dynamic school management web application that utilizes the latest technologies to effectively and efficiently manage a school environment. It provides a platform to unite school authorities, teachers, students and parents, to enhance the quality of education. Akura manages the daily activities of a school, from attendance recording, tracking student academic/co-curricular/religious activities to report generation and much more.

Tools/Technologies: Java, EJB, Hibernate, Servlets, JSP, Eclipse, MySQL, Apache Tomcat

R & D projects –

1. Mobile application for Philips HealthCare (POC project) – Cross platform mobile application where users can calculate heart rate etc..

Tools/Technologies: Cordova, Ionic, AngularJs, bootstrap, HTML, CSS, JavaScript, SQLite

2. AI Chat Bot (POC project) – Online virtual assistant to answer the questions asked from clients to replace the support service people.

Projects and Research

Fitness Mate - Intelligent Workout Assistant Using Motion Gestures

2016

Developed a system which assists users to engage in physical exercises such as weight training exercises, physiotherapy stretching exercises and machine exercises at home. The system makes use of Microsoft Kinect 360 sensor system to capture user gestures. The system,

1. Monitors for correct techniques for weight training exercises.
2. Tracks exercise by counting repetitions, sets and exercises.
3. Provide real-time feedback upon wrong execution.
4. Tutor physiotherapy exercises using a 3D avatar.
5. Provides simple stretching exercises for elderly people and patients using 3D object interaction.
6. Analyze machine exercises with the help of an accelerometer equipped mobile device using a dynamic time warping algorithm.

Tools/Technologies: C#, Kinect SDK, Unity Game Engine, Visual Studio 2015, MonoDevelop, iClone (3D Modeling), MSSQL

Online Past paper System for SLIIT – Project

Feb 2015

Developed a web based platform that helps SLIIT students to engage in Past papers and train the students to do online examinations. This system,

1. Allows user to select options Timed-exam or Non-timed-exam.
2. Provides easy navigation among the questions.
3. Marks the answers and provide the summary of the question papers.
4. A detailed report about the previous attempts and progress of the student.
5. Allows downloading question papers and answers.

Stock Management system for Dayantha Trading Company (JAVA)

May 2014

Developed an automated stand-alone management system using java for a printing machine importing and printing company. This System contains sub Systems such as, Employee Management & User Level Handling System, Financial documents handling System etc. I was mainly engaged in implementing the Order management System.

Key Skills and Competencies

Technical Skills

- Computer skills - Java, J2EE, C#, MySQL, MSSQL, Ruby
- IDEs - NetBeans, Eclipse, Unity, Visual Studio
- Web Technologies - HTML, CSS, JavaScript, angular JS, Node JS, cross platform mobile development (Cordova, ionic)
- Version Control Systems: Subversion, Git
- Virtualization: VM Ware ESX/ESXi, Docker, Amazon AWS/EC2
- Demonstrated experience in leadership
- Strong ability to take a logical and analytical approach in solving problems and resolving issues
- Demonstrated ability to work independently as well as in a team environment
- Interested in learning new technologies and keeping technology knowledge up to date

Personal Skills

- Ready to work within a team
- Ready for hard working, fast
- Have a high motivation to learn and try
- Open minded.
- Problem solving abilities
- Good communication

Language proficiency

- Sinhala (fluent)
- English (Professional working proficiency)

Extracurricular activities

- Member of the School Computer Society
- Member of the School Science Society
- Member of Drama Association

Achievements

- Merit award in EXSTO competition at SLIIT Codefest 2016.
- Fitness Mate: Intelligent Workout Assistant Using Motion Detection research paper (published) at ICIAFS 2016.

Personal Details

- Date of Birth : 26th Jan 1994
- Gender & Civil Status : Male
- Nationality : Sri Lankan
- NIC No : 940263352 V
- School Attended : Bandaranayake College, Gampaha.

Non-related Referees

Academic

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