

Jane Aarthy Joseph

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ACADEMIC QUALIFICATION

Program: Bachelor of Science (Hons) Degree in Information Technology (2012-2016)

Field of Specialization: Software Engineering

Medium of Instruction: English

University: Sri Lanka Institute of Information Technology (SLIIT)

GPA: 3.62/ 4.0

HONORS/ AWARDS/ GRANTS

- Undergraduate **Second Upper Class Honors** (GPA 3.62/4.00) in Software Engineering, Sri Lanka Institute of Information Technology.
- Placement on the University of Sri Lanka Institute of Information Technology, Faculty of Engineering **Dean's List** for three Semesters in the Bachelor Degree based on special academic performance, of Cumulative Grade Point Average (SGPA) above 3.80 (2012-2016).
- **Full scholarship** (Based on GPA) for one academic year on the Bachelor of Science Degree Program, Sri Lanka Institute of Information Technology (2013-2016).

PUBLICATIONS

- D. I. De Silva, S. A. Saleem, **J. A. Mariathas**, T. Veerasingham, S. Mahawithana, "**Smart Image - Interaction with Digital Image**", IEEE, International Conference on Information and Automation for Sustainability (ICIAFs, December 2016).

ACADEMIC PROJECTS

1. BSc. Final Year Project: Interior Designer

The main objective of the system is to redesign the existing house without hiring an interior designer. The main components of the project as follows,

- Image processing based 2D Object detection and manipulation module.
- 2D to 3D model reconstruction module

The project components include a desktop, web and a mobile application. The project involves technological areas such as Image processing and Algorithms.

Technologies: C# .NET, OpenCV, Android, MATLAB

2. Brainobics (Mobile Game) - 2015

An android mobile game to keep the mind sharp and slow down the effect of Alzheimer's disease. This is a brain test that uses colours and mind tricks to force user to concentrate and select the colour of the word but not the colour which the text displays.

Technologies: Android, JQuery Mobile, HTML5, CSS3

3. MSc. Research Project Management System -2015

A web-based system to manage the research projects of MSc. students at SLIIT. The system includes features such as managing projects, scheduling of evaluations and staff handling.

Technologies: PHP, Codeigniter Framework, MySQL, JavaScript

4. Video Rental System -2014

A desktop application to handle movie details, customer details and handling of rental information.

Technologies: Java, MySQL, Jasper Reports

5. Urban Council Management System - 2014

A web based system to perform activities at the Urban Council such as budgeting, property tax handling, staff management, heritage overlay and socio economic.

Technologies: C#, ASP .NET, MS SQL, JavaScript, HTML5, CSS, Angular.js, Bootstrap

6. Library Management System - 2013

A web based system to handle book details, student details and information of loans.

Technologies: C#, ASP .NET, MS SQL

PROFESSIONAL EXPERIENCE

United Overseas Bank Singapore – Software Engineer

April 2018 – present

Projects worked:

1. Personal Internet Banking – Soft Token

Software token is regulated by the Monetary Authority of three countries (Singapore, Malaysia and Thailand) which is a replacement for hardware token. Instead of secure device to generate the key, user can use their mobile banking application to authenticate all the high risk and high value transactions. A simple push notification is sent to the mobile application where the user can accept or deny to accomplish a particular transaction instead of one-time password. This gives the convenience without compromising on the security.

2. Digital Banking – Retail Bond (Indonesia)

Retail bond is a regulatory project of Indonesian government. It's used for paying the government tax, and to buy bonds which is fully backed by the Indonesian government, and can redeem the matured bond.

Responsibilities:

- Identified and resolved highly complex security risks.
- Designed, Developed the new implementation for soft token.
- Analyzed the requirements and converted into Design document.
- Performed Quality Assurance tasks by continuously collaborating with QA team members; actively engaged in product release tests.
- Communicated with management and technical leads on the enhancements of the features to prevent vulnerability.
- Worked effectively and delivered ahead of schedule by following agile.
- Provided comprehensive support to internal customers.
- Analyzed more about the financial trends and insights

IFS R&D International (Pvt) Ltd – Software Engineer

February 2017 –December 2017

Projects worked:

1. IFS Applications

IFS Applications is a single, integrated application suite that enables global and demanding businesses to successfully handle Service & Asset Management, Manufacturing, Projects and Supply Chain Management.

Responsibilities:

- Full stack development & support services for Enterprise Resource Planning systems of Central Europe region.
- Performance enhancement and bug fixing

- Produced project related documents during application development
- Worked closely with Client and Quality Assurance team and ensured client requirements are met
- Executed system testing, integration testing and end-to-end testing

WSO2 Lanka (Pvt) Ltd. – Trainee Software Engineer

May 2015 – October 2015

Projects Worked:

1. Apache Stratos

Responsibilities

- Worked within the development team of Apache Stratos product, which is a platform-as-a Service (PaaS) framework.
- Developed a Persistence Manager Layer using ORM framework for the existing components of the Stratos framework as an alternative solution for the existing registry based data handling where the data is serialized and de-serialized when storing and retrieving.
- Participated in an internal Hackathon to create Docker images for applications.
- Modified existing system to upgrade the user interface.

TECHNICAL SKILLS

Languages	: Java, HTML5, CSS, PHP, JavaScript
Mobile Development	: Android, Cordova
Frameworks	: Spring (Boot, Core, MVC), Hibernate
JS Frameworks	: ReactJS, jQuery, Bootstrap
NoSQL	: MongoDB
RDMS	: MySQL, Oracle, PL/SQL
Web Services	: JAX-RS, JAX-WS
Build tools	: Maven
Source Control	: Git, SVN
Testing Tools	: JUnit, TestNG, Mockito
Web Servers	: Apache
Application Servers	: Tomcat
Continuous Integration	: Jenkins
Agile process	: Scrum Methodology
Programming concepts	: OOP, OOD, UML, Concurrent & Parallel Programming, Microservices
Operating Systems	: Windows, Macintosh, Linux

PERSONAL DETAILS

Name in Full: Jane Aarthy Joseph

Name with Initials: Jane Aarthy J.

Address: #12-180, 210C Compassvale Lane, Singapore-543210, Singapore

Date of Birth: 03rd July 1991

Sex: Female

Marital Status: Married

Nationality: Sri Lankan

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