SUSITH HEMATHILAKA

Senior Software Engineer | Back End

✉ susith.rsj@gmail.com   ☎ +94 77 810 1615   🌐 susithrj.github.io

in linkedin.com/in/susithrj   github.com/susithrj   ◐◑ medium.com/susithrj

WORK EXPERIENCE

DirectFN (Pvt) Ltd	Colombo, Sri Lanka

Senior Software Engineer	May 2023 – Present

Working as a Backend Engineer in the New Generation Trading Platform (NTP) team, which provides High-performance software solutions to enhance the business of electronic trading for the leading banks and brokerages.

- <u>Roles & Key Responsibilities</u>

- o Guidance and mentoring on Order Management System.
- o On-call production support for critical production incidents.
- o Proactively identify issues and improvable areas and implement them.
- o Architecture designing and reviewing.
- o Manage NTP Fintech production infrastructure.
- o Design and implementation of Monitoring and automation tools. (UI automation)
- o Adhere on agile ceremonies. (Grooming, Planning, Review & Retro)
- o Requirement analysis and design.
- o Re-architecture legacy software components with newer technologies & tools.
- o POCs to identify suitable software solutions/ technologies for the business requirements.
- o Engaging with business stakeholders and gathering requirements.
- o Release management.
- o On-Site Business Consultations and GO live projects.

• Technologies – Java (Spring, Java EE), JMS, EJB, Oracle/PL-SQL, JMeter, JGroups, Infinisfan, Cometd, Hibernate, gson, hornetq, QuickFix,Jira, JavaMail, ActiveMQ, Netty, Maven, Jboss, WebSphere, Jetty, Jackson, SoupBinTCP, SWIFT MT, Agile-Kanban, Junit, Git, Dropwizard, mockito, bamboo, Apache Camel , Swagger

Software Engineer	Jun 2021 – Apr 2023

Software Engineering Intern	Jul 2019 – Jul 2020

EDUCATION

University of Westminster	2017-2021

• **BEng(Hons) Software Engineering**

First Class (Equivalent of 3.7+ GPA)

Course Work - Object Oriented Programming, Concurrent Programming, Data Structure &Algorithms, Database Systems, Security & Forensics, Client Server Architecture, Web Design & Development, Mobile UX, Mobile Application Development

" Seeking for opportunities in the fields of software engineering& cloud computing to meet challenges as a smart and hardworking professional; where I can utilize my skills, strength and experiences to contribute towards the growth of the place where I work."

TECHNICAL SKILLS

● Concepts & Fields

Software Engineering   Concurrency   Network Programming   Databases   Agile Practices

● Programming Languages

Java   JavaScript   Python

● Backend Technologies

Spring   JavaEE   Netty   Flask   Hibernate

● Web/ Mobile Technologies

Angular   Android   jQuery   React Native

● Data Science

Deep Learning   Computer Vision   Machine Learning

● Database

MySQL   SQLite

● Cloud & Devops

AWS   Docker

● Support tools

Maven   Git   Jira   Junit   JMeter

PROJECTS

MaskNet – Occlusion Invariant Face Recognition System
Research Project | Deep Learning | Computer Vision

• Description –Occlusion Invariant face recognition system which capable in recognizing faces while wearing a face mask.

• Technologies & Tools – Python, Tkinter, SQLite, Keras, TensorFlow, Siamese Networks, Face Recognition

SmartGuru – Adaptive Learning Platform for Java
NLP | Recommendation Systems

• Description –Smart adaptive learning platform for Java based on student performance with friendly challenges.

• Technologies & Tools – Python, Flask,React Native, MySQL, phpMyAdmin, MySQLWorkbench, AWS, Git

•Recognition – Cutting Edge 2019 Finals

DigiLib – Online Library Manager

• Description –Fully featured digital library management solution designed for keeping track of the books.
• Technologies & Tools – Java Play, Ebean ORM ,Angular,

Vis-Flow – Graph Visualization of Max Flow

• Description – Algorithm visualization tool for graph generation With a visualization of maximum flow finding.

• Technologies & Tools – Java, Java Swing, JGraphX

GuessFlag – Android Flag Quiz

• Description – game full of fun that consists of guessing the

names of hundreds of countries flag from around the world including different game mods and leaderboard.

• Technologies & Tools – Java, Android, Gradle

CERTIFICATIONS

Google Cloud on Coursera
Google Cloud Platform Fundamentals: Core Infrastructure

LearnQuest on Coursera
Fundamentals of Kubernetes Deployment

University of Michigan on Coursera
Python Data Structures

Jhon Hopkins University on Coursera
The Data Scientist's Toolbox

Google Sites
Google Mobile Sites Certification

PUBLICATIONS

AN ANALYSIS OF FACE RECOGNITION UNDER FACE MASK OCCLUSIONS

MLDS 2021 - Conference on Machine Learning Techniques and Data Science

◉ Zurich, Switzerland   📅 Nov 20,2021

EXTRA-CURRICULAR

IIT Rugby Team
Informatics Institute of Technology
Jul 2018 – Jul 2019
• Champions - Tap Rugby Tournament Inter House Sports Meet 2019

IEEE Student Branch
Informatics Institute of Technology
Jul 2018 – Jul 2019
• Volunteer –IIT Student Hub of IEEE Extreme 12.0 (2018)

Rotaract Club of IIT
Informatics Institute of Technology
Jan 2018 – Present
• Organizer - IRONMAN 2019, HacXmas 2019

REFEREES

Mr. Janaka Rathnayake
Solution Architect
DirectFN (Pvt) Ltd
r.janaka@dfn.com
+9477 735 8072

Mr. Praboda Rupananda
Tech Lead
DirectFN (Pvt) Ltd
r.praboda@dfn.com
+9477 735 8072

Mr.Guhanathan Poravi
Senior Lecturer
Informatics Institute of Technology
guhanathan.p@iit.ac.lk
+9477591 3330