Maneesha Indrachapa

Software Engineer

✉ maneeshaindrachapa@gmail.com   ☏ +94 715-238-973
⌂ maneeshaindrachapa.github.io   🌐 github.com/maneeshaindrachapa

Employment

Software Engineer @ WSO2
November 2020 - Present // Colombo, SL

- ▷ Write modern and performant code for the WSO2 Identity Server and a wide spectrum of clients.
- ▷ Work with a diverse array of languages, frameworks and version control systems such as, Java, OSGi, Maven, Swagger, React, Node.js, MySQL, Oracle DB, Docker, etc.
- ▷ Communicate and collaborate with interdisciplinary teams of engineers, solution architects, designers, clients and software architects on daily basis.
- ▷ Implementing Integration and Identity solutions via offsite customer engagements.,Identifying and resolving production issues in large scale critical business deployments under tight SLAs.

Software Engineer @ CodeGen International
February - November 2020 // Colombo, SL

- ▷ Exercised Travel and Tourism solution integrations, Connectors, Content Management, various Java Spring framework, Java Swing thick client, maintenance and bug fixing.
- ▷ Hands-on experience with caching, DB-level performance tuning, Java profiling, and other enhancements.
- ▷ Contributed on implementing a BeanBox caching system in TravelBox which handles all the tourism operations.
- ▷ Worked closely with engineers and designers to develop, document and manage the mentioned projects while providing demonstrations for multiple potential clients.

Interactive Media Developer Intern @ Arimac Lanka
June - December 2018 // Colombo, SL

- ▷ Was assigned to Game developement facilty and had an opportunity to contribute to the Nero video game by developing several functionalities such as creating realistic rain, night vision, thermal visionin,bullet tracing paths, main menu ,etc.Also, worked on performance enhancement for the 1st and 2nd levels of the game...
- ▷ Worked closely with engineers and designers to develop, document and manage the mentioned project while providingdemostrations for multiple potential clients
- ▷ Developed Custom dashboard using Angular to update the data asynchronous to view the necessay data for the imi-games project

Projects

RESTful API Support for SMS and Email OTP @ WSO2
Java, SwaggerUI, H2, Maven

- ▷ Exposes SMS and Email OTP generation and validation RESTful APIs decoupled from WSO2 authentication framework, which can easily integrate to any enterprise application where tight security is needed.

Email OTP Common Module @ WSO2
Java,J2EE,OSGi,Maven

- ▷ This exposes Email OTP service as a fully decoupled service from WSO2 platform . While developing this addressed many security scenarios such as DDoS attacks, brute force, perfomance degrading,etc. Can easily applicable to any solution using WSO2IS by calling the service.

Bulk User Migration on WSO2IS @ WSO2
Java,J2EE,OSGi,Maven

- ▷ WSO2IS is cabaple of migrating users through web interface but it makes some performance concerns. As a solution to that problem this was implemented. Using this can migrate millions of users within milliseconds.

Career Objective

To continuosly enhance my knowledge,skills and experience by getting involved in a changing environment in the field of computer science and engineering while committing towards personal and organizational growth to the best of my ability.

Skills

Programming Languages
Java, Python, JavaScript (ES6), PHP, TypeScript, HTML, CSS/Sass,.NET,

Libraries & Frameworks
jQuery, React, React Native, Angualr, Ionic, Node.js, Express, Spring, JSP, J2EE, Laravel, Bootstrap,OSGi

Tools & Platforms
Git, Gulp, Docker, WordPress, Quartus Prime, Unreal Engine

Databases
MySQL, PostgreSQL, Oracle DB, H2

Design
Adobe Photoshop

Education

Robert Gordon University
2020 - Present // Aberdeen, UK

Reading for MSc Big Data Analytics
CGPA: 3.70/4.0

University of Moratuwa
2015 - 2020 // Moratuwa, SL

B. Sc. Engineering (Hons.) specialized in Computer Science and Engineering
GPA: 3.13/4.2

Richmond College
2001 - 2014 // Galle, SL

G.C.E. Advanced Levels for subjects Physics,Chemistry,Combined Mathematics and General English. Acquired district rank 66 and island rank **703** among 35,000 candidates with **2.0544** Z-Score.

8'A passes and B pass in G.C.E. Ordinary Levels.

CIMA - Charted Institute of Management Accounting
2015 - 2016 // Galle, SL

CIMA Diploma in Management Accounting

CleanSL

`Ionic,Angular,Google Maps,Open Street Maps`

▷ CleanSL is a mobile application developed to track the location of garbage collecting vehicles and give notification to the users when the garbage collecting truck is en route. This project was done in collaboration of Ingenii Lanka(Pvt) Ltd.

Carbon- Shopping Complex Managing Application

`Ionic, Angular, PHP, MySQL`

▷ Using this application can manage a shopping complex stores and the customers who accessing the stores. Also, can manage the shopping through the application.

We at We

`Anular,Node JS,MySQL`

▷ This is an ongoing project which is a socail media platform for philanthropists where they can promote their good cause and also run campaign to collect money or people for charity programs.

Edugate

`Angular,Node JS,MongoDB`

▷ Edugate is an online class room application where can manage teachers , staff and students. Using constraint satisfaction problem all the timetables are generated without overlapping classes for students and teachers.

Academic Projects

An Intelligent Sinhala-English Dictionary, Thesaurus, Word LookUp Tool @ UoM

`Python,Fask,Angular,Data Mining,NLP,Data Scraping`

▷ Since there is no intelligent dictionary, thesaurus and word look up tool for Sinhala Language this was taken as research project for bachelors.
▷ Implemented a Thesaurus for Sinhala language which can cleary give synonyms, POS tagging definition,English translation and usage sentences for a perticular word provided in Sinhala Unicode.

Vortex-Organizational Voting Ballot Managment System @ UoM

`Ionic, PHP, Angular,Karma,Jasmine,Apache JMeter`

▷ This was implemented to get anonymous votings regarding organizational decision making. Test Driven development is followed to develop this mobile application.
▷ To secure the votings casted used public key -private key encryption.

Plutonium - Virus Analyzer @ UoM

`Java`

▷ This simple virus analyzer developed to analyze the MD5 hash of the files against the virus total virus database. This can provide a detailed report of the virus infected files

Backpacker @ UoM

`Ionic,Google Maps SDK, Firebase`

▷ This application helps travellers to know abot wheather predictions and other sensory details of a travelling location. When using this application travellers can add the location they travelled and application automatically collect all the necessay data such as temperature,humidiy, light intensity ,etc. So that hose data can be used to make weather predictions later.

AccomodateMe - Online Boarding Auctioning System @ UoM

`HTML,CSS,Bootstrap,PHP,JQuery`

▷ AccomodateMe is an online boarding house searching application which has been designed to help students of University of Moratuwa in finding a suitable accomodating environment.

SHome @ UoM

`Ionic,Android,Micro Controller`

▷ sHome is a bluetooth serial interface which can send signals to a micro-controller via bluetooth and manage connected devices to that microcontroller.

Awards & Honors

Placed among top 10 teams in MoraXtreme 2.0
2017

Placed within top 200 teams out of 8000 competition teams in DengAI competition held by Driven Data
2016

Richmond College Chess Colours
2015

Several District, Provincial and All-island Chess Awards
2005-2015

IT Director of Best IT enabled LEO Club in Sri Lanka
2017/2018

Extra Curricular Activities

Director of IT
`LEO club University of Moratuwa 2017/2018`
▷ Developed Official UoM LEO club website

Exmo Designing Committee
`Developer and Designer at Exmo 2016 Designing committee`

Chess
`Richmond College Chess Association`
▷ Developed Richmond College Chess Association official web page.
▷ Represented Richmond Collage chess team for more than 8 years.

Certifications

WSO2 Certified Identity Server Developer - V5
WSO2

Interests

Chess, Swimming, Travelling, Reading, Blogging,Hiking

References

Eng. Prof, Gihan Dias
`PhD(UCD),MSc(UCSB),BSc Eng.(Hons) (Moratuwa),MIE(SL),CEng`
Dept. of Computer Science and Engineering University of Moratuwa, Sri Lanka

✉ gihan@uom.lk
☎ +94 777-761-626

Mr. Sugeesh Chandraweera
`Tech Lead`
Arimac Lanka (PVT) Ltd.

✉ sugeesh@arimaclanka.com
☎ +94 710-416-336