

# GIHAN MADUSHANKA UBAYAWARDANA

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## EDUCATION

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### University of Colombo

Master of Computer Science Computer Science *GPA: 3.32*

Colombo, Sri Lanka

Jan 2016 - Jan 2018

### British Computer Society

Degree in Information Technology

Colombo, Sri Lanka

June 2010 - June 2014

## EXPERIENCE

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### NCS Group

*Senior Software Consultant*

Singapore

June 2022 - Present

- Upgraded frontend of an application which was using Angularjs (Angular V1) to React V18. This migration is a total rewrite of the application using React, Typescript, Redux and Tailwind CSS
- Implemented AWS Lambda functions to help one key government client to move their data from S3 to their own FTP servers periodically in order to compliance with the client's data protection policies
- Involve in fixing client side accessibility, performance issues reported by Lighthouse / Purple HATS which resulted in increasing accessibility/ performance score more than 95%
- Upgrade client side libraries if there are any security vulnerabilities or if library becomes obsolete.
- Participate in client meetings to provide technical support for client concerns

### IFS

*Lead Software Engineer*

Colombo, Sri Lanka

Oct 2019 - May 2022

- Built and maintained in-house built Gantt Chart Controller library using React, Redux, Typescript and Tailwind CSS
- Increased client side performance of different React components using lazy loading, state management and memoization
- Involved in implementing new features, fixing client side bugs and performance issues
- Mentored junior developers /interns, conducted knowledge transfer (KT) sessions within the team.

### Infor

*Senior Software Engineer*

Colombo, Sri Lanka

Oct 2018 - Oct 2019

- Developed hybrid mobile applications using Ionic and Angular which enabled customers to efficiently manage their supply chain operations on-the-go
- Actively involved in migrating a legacy Angular application to Angular 8 and making sure version upgrade has no impact on existing functionality
- Developed customer features using Angular and involved in bug fixing
- Conducted interviews and provided mentorship to undergraduate trainees, sharing best practices and industry knowledge to foster their growth and development

### Allion Technologies (Pvt) LTD

*Software Engineer - Java*

Colombo, Sri Lanka

Jan 2016 - Oct 2018

- Designed and implemented a highly configurable and customizable Student Management System for primary schools in New Zealand, leveraging Java, Play Framework, and PostgreSQL for the backend, and AngularJS and jQuery for the frontend
- Built a powerful RuleEngine based on the Nashorn Javascript Engine, which allows customers to specify and execute business rules with no or little technical knowledge.
- Developed different modules, such as Assessments, Attendance, Wellbeing, Learning Support, and Accounts, in collaboration with the client and Ministry of Education, New Zealand, to meet their specific requirements and ensure compliance with regulatory standards

### Virtusa

*Associate Software Engineer*

Colombo, Sri Lanka

Nov 2014 - Jan 2016

- Involved in the development of comprehensive code quality solution, utilizing technologies such as Java, Spring Boot, and PostgreSQL for the backend, and AngularJS, JavaScript, HTML, and CSS for the frontend.
- Implemented translators to convert core application to xml and vice versa.
- Implemented a plugin to export and import a database.

## SKILLS

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Programming Languages:	Javascript, Typescript, Java, Golang, Nodejs, HTML, CSS
Frameworks:	React, Next.js, Angular, Strapi, Emberjs, Play Framework, Ionic, Express.js, Tailwind CSS, S
Version Controls:	Git
CI / CD:	Docker, AWS, Azure

## PROJECTS

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**NCS Group** *React, Angular, Spring Boot, jQuery, Emberjs, AWS, AEM, HTML, CSS, Javascript, Typescript*

Responsible for the development and deployment of digital projects of key government client in Singapore

**IFS Aurena Client Framework** *React, Typescript, Javascript, HTML, CSS, Oracle, PLSQL, Java, Spring Boot, PostgreSQL* <https://www.ifs.com/>

Framework which provides ready-made components for application developers to rapidly build ERP applications.

**Infor Nexus** *Ionic, Angular, Typescript, Javascript, HTML, CSS, Java, Spring Boot, PostgreSQL* <https://www.infor.com/>

Hybrid mobile application allowing the customers to monitor and manage their supply chain

**Assembly Student Hub** *Java, Play Framework, jQuery, HTML, CSS, PostgreSQL*

Student Management System which provides a platform where all the stake holders of the student education can come together and discuss, evaluate and assess progress of students while engaged in their day to day responsibilities. It is being used by more than 500 primary and secondary schools in New Zealand

**Speed Cloud Platform** *Angularjs, Java, Javascript, Spring Boot, PostgreSQL*

A next generation rapid software development platform to develop web applications that support cloud scale and modern front end demands.

**ERA Insight** *Java, Angularjs, Spring Boot, PostgreSQL*

A comprehensive code analysis tool that brings in analytics and gamification to the software development lifecycle

## ACHIEVEMENTS

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**Research Publication - ICTER 2018**

University of Colombo,

Presented a research paper on "Bug Prediction Model using Code Smells" at 18th International Conference on Advances in ICT for Emerging Regions (ICTer 2018) organised by University of Colombo School of Computing

Oct 2018