

# NISUGA

# JAYAWARDANA

AN EXPERIENCED SOFTWARE DEVELOPER



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*I am an active, dedicated, and positive thinker  
with nearly 2 years of experience in Software Engineering.*

*Always willing to teach others and learn from others.*

*Very eager to self learn as well as to learn from experienced people and follow the best practices.*

*Have successfully applied design patterns, OOP concepts to industrial projects.*

*I can get familiar with any new technology within a week.*

## MY TECH EXPERIENCE

Each list sorted by skill level (high to low)

### Frontend

- HTML, JS
- React
- Material-UI
- Bootstrap
- React Native
- Android
- ExtJs
- Flutter
- Swift-iOS
- CSS, SCSS

### Backend

- Spring Boot
- Java EE
- PHP - Yii Framework
- Node JS/ Express JS
- Shell scripting
- Python
- Laravel
- C++
- C#

### Databases

- MySQL
- MongoDB
- Oracle DB

### Cloud Computing

- AWS
- MongoDB Atlas
- Azure

### Other

- # GitHub
- # GitLab
- # RHEL / Ubuntu servers
- # Rapid UI/UX designing using a design system (Ex: Material design)

### Out of the box

WebRTC

Apache Kafka

socket.io



## WORK EXPERIENCE

### **3D Designer - Arimac** (2018 Nov-2019 Feb)

- BMICH Army Exhibition 2018, Communication Eras - Unreal Engine 3D World Project
- Dialog Calendar 2019 - Project
  - Designed and Textured 3D models for special days and Sri Lankan festivals
- Nero Game - unreal engine Project
  - Designed/Textured 3D models - (Military boat, Shipping crane )

### **Trainee Full Stack Developer - Omobio PVT LTD** (2019 Nov -2020 May)

- 6 months internship
- Made an Interview Management Portal for the Company HR Division.
- Worked on multiple projects of the Digital AD-Platform System ( SMART Cambodia Ad-platform, Mobireach Ad Platform - Robi Bangladesh, Digireach Ad Platform - Dialog ).
- Got a valuable experience in Agile SCRUM, GIT Development cycles and tools, Jira Task Management, React, Yii, ExtJS, Material-UI.

### **Head of Software Development - Nexie Labs PVT LTD** ( Jun 2020 – December 2020 )

- Interviewed and recruited developers.
- AWS Services Management and Monitoring
- Software Project Planning with AWS based Architectures
- Software Ideas Development
- MVP Planning
- Full Stack Development with Collaborative Git Management
- Gathered onsite requirement and Developed a customized stock management system for *Target Environmental Cleaning Company PVT LTD*.
- Ideated and implemented two MVP applications for **Eventmagics** personal project, with the support of Mr. Tharindu Meepagama and Nexielabs team.
- Customized a large-scale E-commerce multi-vendor Application using Aimeos E-commerce Platform. Used Laravel as the framework.

### **Full-stack Software developer - X.O Concepts PVT LTD** ( 2021 Jan – 2021 August )

- Developed a Java Maven library to manage common entities and entity factories which are used across multiple spring boot services.
- Microservices with SpringBoot.
- Java Maven projects.
- CORBA based large scale event data processing.
- Managing large scale data streams using Kafka.
- Advanced Springboot with Liquibase DB migration tool.
- Implemented notification service using Amazon SNS with Firebase.
- Implemented Advanced Java Application logging features.



## EDUCATION

**Bachelor of Science in IT specialized in Software Engineering,**  
**Sri Lanka Institute of Information Technology, Malabe** (2018 Jan - 2021 Dec)



## UNIVERSITY PROJECTS

### Project Leader: Mr. MCQ Online Examination Platform (Web App)

- Technologies: HTML, CSS, PHP, JQUERY, JS
- Developed backend for login, online exam questions/results management

### Project Leader: Dialog Internal Event Manager

- Technologies: HTML, CSS, JQUERY, JS, Java, Firebase Integrations
- API Study: EzCash API for Food Payment Management sub-system

### Project Leader: Airline Ticket Reservation System

- Technologies: Java Servlets, HTML, JS, CSS
- Developed flight data management functionality

### Stationery Shop Management Android App

- Technologies: Java Android
- Developed expenses management functionality

### Procurement System for construction company

- Technologies: NodeJS, MongoDB, React, React-Native, JWT
- Platform: Web, Mobile
- Developed order request approval and order management

### Booking.com Mobile App - A Redesigning project

- Technology: ReactNative
- Platform: Mobile
- Redesigned room selection functionality, signin/signup, notifications, sign-out, wish-list for better user experience

### Research Project - Automated Lecture Video/Audio Editor

- Technologies: Gensim, Python, Resemble.ai, Topic modelling, Tkinter
- Platform: Desktop
- Developed a system to generate synthetic expressive emotional voice(using a cloned voice) to gain more audience engagement by eliminating monotonous voice.
- Studied co-relation between topic modelling results and prosodic changes for emotional voice

## PERSONAL PROJECTS

### EventMagics - The Realtime Event Manager (MVP 2)

- Status: still at MVP 2
- Features
  - Realtime Digital Microphone - your phone is your mic. You will hear what you say to the phone from the hall speakers.
  - Realtime questioning (Forum chat scenarios and private chat scenarios)
- Technologies used: WebRTC, Web Socket communication, NodeJS
- Platform: Web, Mobile

### Schooli - A virtual platform for online schools with Interactive communication

- Current status: still at research level
- Features
  - Online classrooms
  - Monitor live classrooms occasionally
  - Conduct morning assembly meeting
  - Play school song in the morning
  - Ring the bell at interval or new period
  - Live Dashboard to monitor progress of each grade
  - Schedule interval
  - Schedule urgent meetings
  - Share documents to the class
  - Online staff room
- Proposed Technology: WebRTC, Web Socket communication
- Platform: Web, Mobile

## LANGUAGES

- Sinhala (Native)
- English (Fluent in both speaking and writing)

## OTHER INTERESTS

- Cricket
- Snorkelling
- Travelling
- Music
- Guitar
- Camping
- Aviation