NISUGA JAYAWARDANA

AN EXPERIENCED SOFTWARE DEVELOPER

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*I am an active, dedicated positive thinker
with nearly 2 years of experience in Software Engineering.
Mostly interested in backend stuff.
Well experienced in Python, Java and Springboot.
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
- Python
- PHP – Yii Framework
- Node JS/ Express JS
- Shell scripting
- Laravel
- C++
- C#

Databases

- MySQL
- MongoDB
- Oracle DB

Cloud Computing

- AWS
- MongoDB Atlas
- Azure

Design patterns

- Factory method
- Memento

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

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)

- Implemented backend for Dialog PowerApp project which is a live site alarm management system for Dialog Axiata PLC
- Developed a Java Maven library to manage common entities and entity factories which are used across multiple spring boot services.
- 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

- **Ordinary Level - 9A's,** Bandaranayake College, Gamapaha (2018 Jan – 2021 Dec)

- **Advanced Level - Physical stream 3S, Passes,** Royal College, Colombo 07 (2018 Jan – 2021 Dec)

- **Bachelor of Science in IT specialized in Software Engineering,**
  Sri Lanka Institute of Information Technology, Malabe (2018 Jan - 2022 Feb)

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 – Topic modelling based expressive synthetic voice to reduce student boredom in online lecture recordings

- 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: 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

LANGUAGES

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

OTHER INTERESTS

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